

SUBJECT INDEX TO VOLUMES 113 AND 114

Errata, Comments, and Addenda

Errata

- Erratum: "Near-infrared structure of the edge-on spiral NGC 4565" [AJ, **112**, 114 (1996)] — W. Rice, K. Michael Merrill, Ian Gatley, and F. C. Gillett; **113** (1), 446(E).
- Erratum: "Multiwavelength observations of two moderate rotation RS CVn Systems: V815 Herculis and IM Pegasi" [Astron. J. **111**, 1356 (1996)] — Robert C. Dempsey, James E. Neff, Douglas O'Neal, and Katalin Olah; **113** (2), 871(E).
- Erratum: "Orbits of detached main-sequence eclipsing binaries of types late F to K. I. RT Andromedae and CG Cygni" [Astron. J., **108**, 1091, (1994)] — Daniel M. Popper; **113** (4), 1457(E).
- Erratum: "The Palomar/MSU nearby star spectroscopic survey. II. The southern M dwarfs and investigation of magnetic activity" [Astron. J., **112**, 2799 (1996)] — Suzanne L. Hawley, John E. Gizis, and I. Neill Reid; **113** (4), 1458-69(E).
- Erratum: "Near infrared imaging of the Hubble Deep Field with the Keck Telescope" [Astron. J., **113**, 474 (1997)] — David W. Hogg, G. Neugebauer, Lee Armus, K. Matthews, Michael A. Pahre, B. T. Soifer, and A. J. Weinberger; **113** (6), 2338(E).
- Erratum: "Time-frequency analysis and pulsation modes of LPV stars. I. O Ceti" [Astron. J., **113**, 373 (1997)] — D. Barthes and J. A. Mattei; **114** (2), 859-60(E).
- Erratum: "Properties of the Monoceros R2 stellar cluster" [Astron. J. **114**, 198 (1997)] — John M. Carpenter, Michael R. Meyer, Catherine Dougados, Stephen E. Strom, and Lynne A. Hillenbrand; **114** (3), 1275(E).
- Erratum: "Optical imaging and high spatial resolution 21 cm H I observations of the peculiar galaxy NGC 2782 (Arp 215)" [Astron. J., **107**, 1695 (1994)] — Beverly J. Smith; **114** (5), 2177(E).
- Erratum: "The number density of low-surface brightness galaxies with $25 < \mu_0 < 25$ V mag/arcsec²" [Astron. J., **114**, 635 (1997)] — Julianne J. Dalcanton, David N. Spergel, James E. Gunn, Maarten Schmidt, and Donald P. Schneider; **114** (5), 2178(E).

Applied Mathematics and Physics

Applied Mathematics

- Picard iteration method, Chebyshev polynomial approximation, and global numerical integration of dynamical motions — Toshio Fukushima; **113** (5), 1909-14.

Astronomical Instruments and Techniques

Astronomical Instruments

- Multichannel optical aperture synthesis imaging of ζ^1 Ursae Majoris with the Navy Prototype Optical Interferometer — J. A. Benson, D. J. Hutter, N. M. Elias, II, P. F. Bowers, K. J. Johnston, A. R. Hajian, J. T. Armstrong, D. Mozurkewich, T. A. Pauls, L. J. Rickard, C. A. Hummel, N. M. White, D. Black, and C. S. Denison; **114** (3), 1221-6.

Methods of Observation and Reduction, Data Processing

- Field correctors for wide-field CCD imaging with Ritchey-Chretien telescopes — Harland W. Epps and Daniel Fabricant; **113** (1), 439-45.
- High-resolution V, I, and K-band imaging of faint field galaxies from the HST medium-deep survey — Steven B. Muz, Rogier A. Windhorst, David Wittman, Laird M. Close, and Donald W. McCarthy, Jr.; **113** (5), 1537-47.

- Obtaining high precision H I fluxes for galaxies — Liese van Zee, Ronald J. Maddalena, Martha P. Haynes, David E. Hogg, and Morton S. Roberts; **113** (5), 1638-47.
- Calibration of the surface brightness fluctuation method for use with the Hubble Space Telescope — Edward A. Ajhar, Tod R. Lauer, John L. Tonry, John P. Blakeslee, Alan Dressler, Jon A. Holtzman, and Marc Postman; **114** (2), 626-34.
- Space velocities of southern globular clusters. I. Astrometric techniques and first results — Dana I. Dinescu, Terrence M. Girard, William F. van Altena, René A. Méndez, and Carlos E. López; **114** (3), 1014-29.
- Recovering galaxy rotation speeds from irregular emission profiles — T. E. Lavezzi and J. M. Dickey; **114** (6), 2437-47.
- Seeing tests at four sites in support of the NPOI project — D. J. Hutter, N. M. Elias, II, E. R. Peterson, W. B. Weaver, G. Weaver, D. Mozurkewich, F. J. Vrba, R. S. Simon, D. F. Buscher, and C. A. Hummel; **114** (6), 2822-33.

Positional Astronomy, Celestial Mechanics

Astrometry

- Understanding libration via time-frequency analysis — Tabaré Gallardo and Sylvio Ferraz-Mello; **113** (2), 863-70.
- A method to improve Guide Star Catalogue positions with astrometric catalogues — M. Assafin, R. Vieira Martins, and A. H. Andrei; **113** (4), 1451-6.
- Astrometric quality of the USNO CCD Astrograph (UCA) — N. Zacharias; **113** (5), 1925-32.
- CCD astrometry of asteroids in the extragalactic reference frame — Ronald C. Stone; **113** (6), 2317-24.
- Astrometric CCD positions for extragalactic radio sources — M. Assafin, R. Vieira Martins, A. H. Andrei, and C. H. Veiga; **113** (6), 2329-37.
- Cross identification in the region of cluster NGC 1502 — Anthony J. Weitenbeck; **114** (1), 222-7.
- The solar neighborhood. IV. Discovery of the twentieth nearest star system — Todd J. Henry, Philip A. Ianna, J. Davy Kirkpatrick, and Hartmut Jahreiss; **114** (1), 388-95.
- Systematic errors in the FK5 catalog as determined from CCD observations in the extragalactic reference frame — Ronald C. Stone; **114** (2), 850-8.
- HST-FGS parallaxes of two high-velocity stars — D. Jack MacConnell, Wayne H. Osborn, and Richard J. Miller; **114** (3), 1268-74.
- Accurate positions for radio stars as determined from CCD observations in the extragalactic reference frame — Ronald C. Stone; **114** (4), 1679-88.
- The program to link the Hipparcos reference frame to an extragalactic reference system using the fine guidance sensors of the Hubble Space Telescope — P. D. Hemenway, R. L. Duncombe, E. P. Bozjan, A. M. Lalic, A. N. Argue, O. G. Franz, B. McArthur, E. Nelan, D. Taylor, G. White, G. F. Benedict, F. Crifo, L. W. Fredrick, W. H. Jefferys, K. Johnston, J. Kovalevsky, J. Kristian, M. A. C. Perryman, R. Preston, P. J. Shelus, C. Turon, and W. van Altena; **114** (6), 2796-810.
- Astrometric calibration regions along the celestial equator — Ronald C. Stone; **114** (6), 2811-21.
- Celestial Mechanics, Figures of Celestial Bodies**
- The stability of planets in the Alpha Centauri system — Paul A. Wiegert and Matt J. Holman; **113** (4), 1445-50.

Picard iteration method, Chebyshev polynomial approximation, and global numerical integration of dynamical motions — Toshio Fukushima; **113** (5), 1909-14.

The Kozai mechanism and the stability of planetary orbits in binary star systems — K. A. Innanen, J. Q. Zheng, S. Mikkola, and M. J. Valtonen; **113** (5), 1915-9.

A procedure solving the extended Kepler's equation for the hyperbolic case — Toshio Fukushima; **113** (5), 1920-4.

Vector integration of dynamical motions by the Picard-Chebyshev method — Toshio Fukushima; **113** (6), 2325-8.

A parallel integration method for solar system dynamics — Prasenjit Saha, Joachim Stadel, and Scott Tremaine; **114** (1), 409-15.

Parallelized extrapolation method and its application to the orbital dynamics — Takashi Ito and Toshio Fukushima; **114** (3), 1260-7.

Orbital evolution in resonance lock. I. The restricted 3-body problem — R. S. Gomes; **114** (5), 2166-76.

Theoretical Astrophysics

Relativistic Astrophysics, Gravitation Theory

HST observations and models of the gravitational lens system MG 0414 +0534 — Emilio E. Falco, Joseph Lehar, and Irwin I. Shapiro; **113** (2), 540-9.

The gravitationally lensed radio source MG 0751+2716 — J. Lehar, B. F. Burke, S. R. Conner, E. E. Falco, A. B. Fletcher, M. Irwin, R. G. McMahon, T. W. B. Muxlow, and P. L. Schechter; **114** (1), 48-53.

Time dilation from spectral feature age measurements of Type Ia supernovae — A. G. Riess, A. V. Filippenko, D. C. Leonard, B. P. Schmidt, N. Suntzeff, M. M. Phillips, R. Schommer, A. Clocchiatti, R. P. Kirshner, P. Garnavich, P. Challis, B. Leibundgut, J. Spyromilio, and R. C. Smith; **114** (2), 722-9.

Fluctuation of extragalactic reference frame due to gravitational lensing in our galaxy — Mizuhiko Hosokawa, Kouji Ohnishi, and Toshio Fukushima; **114** (4), 1508-16.

The external shear acting on gravitational lens B1422+231 — Tomislav Kundić, David W. Hogg, Roger D. Blandford, Judith G. Cohen, Lori M. Lubin, and James E. Larkin; **114** (6), 2276-83.

Planetary System

Physics of the Planets (Interiors, Atmospheres, Magnetic Fields, etc.)

The stability of planets in the Alpha Centauri system — Paul A. Wiegert and Matt J. Holman; **113** (4), 1445-50.

Mars, Mars Satellites

Solar system observations by the Wisconsin Ultraviolet PhotoPolarimeter Experiment. I. The first ultraviolet linear spectropolarimetry of Mars — G. K. Fox, A. D. Code, C. M. Anderson, B. L. Babler, K. S. Bjorkman, J. J. Johnson, M. R. Meade, K. H. Nordsieck, W. T. Sanders, A. J. Weitenbeck, N. E. B. Zellner, R. J. Edgar, and O. L. Lupie; **113** (3), 1152-7.

Minor Planets

Observations of structures in the inner coma of Chiron with the *HST* Planetary Camera — Karen J. Meech, Marc W. Buie, Nalin H. Samarasinha, Beatrice E. A. Mueller, and Michael J. S. Belton; **113** (2), 844-62.

BVR photometry of Centaur objects 1995 GO, 1993 HA₂, and 5145 Pholus — W. Romanishin, S. C. Tegler, J. Levine, and N. Butler; **113** (5), 1893-8.

Ultraviolet observations of Chiron with the *HST/FOS*: Examining a Centaur's gray matter — Joel Wm. Parker, S. Alan Stern, Michel C. Festou, Michael F. A'Hearn, and David A. Weintraub; **113** (5), 1899-908.

CCD astrometry of asteroids in the extragalactic reference frame — Ronald C. Stone; **113** (6), 2317-24.

Dynamical effects of planetary migration on the primordial asteroid belt — R. S. Gomes; **114** (1), 396-401.

The mass of the asteroid 15 Eunomia from observations of 1313 Berna and 1284 Latvia — James L. Hilton; **114** (1), 402-8.

Accretion in the Edgeworth-Kuiper Belt: Forming 100–1000 km radius bodies at 30 AU and beyond — S. Alan Stern and Joshua E. Colwell; **114** (2), 841-9.

Photometry of the Trans-Neptunian Object 1993 SC — S. C. Tegler, W. Romanishin, A. Stone, K. Tryka, U. Fink, and R. Fevig; **114** (3), 1230-3.

Physical model of near-earth asteroid 6489 Golevka (1991 JX) from optical and infrared observations — S. Mottola, A. Erikson, A. W. Harris, G. Hahn, G. Neukum, M. W. Buie, W. D. Sears, A. W. Harris, D. J. Tholen, R. J. Whiteley, P. Magnusson, J. Piironen, T. Kwiatkowski, W. Borczyk, E. S. Howell, M. D. Hicks, R. Fevig, Yu. N. Krugly, F. P. Velichko, V. G. Chiorny, N. M. Gaftonyuk, M. Di Martino, P. Pravec, L. Sarounová, M. Wolf, W. Worman, J. K. Davies, H.-J. Schober, and W. Pych; **114** (3), 1234-45.

Diffusive chaos in the outer Asteroid belt — N. Murray and M. Holman; **114** (3), 1246-59.

Jupiter, Jupiter Satellites

Solar system observations by the Wisconsin Ultraviolet PhotoPolarimeter Experiment. II. The first linear ultraviolet spectropolarimetry of Io — G. K. Fox, A. D. Code, C. M. Anderson, B. L. Babler, K. S. Bjorkman, J. J. Johnson, M. R. Meade, K. H. Nordsieck, W. T. Sanders, A. J. Weitenbeck, N. E. B. Zellner, R. J. Edgar, and O. L. Lupie; **113** (3), 1158-65.

Saturn, Saturn Satellites

The disruption of Hyperion and the origin of Titan's atmosphere — P. Farinella, F. Marzari, and S. Matteoli; **113** (6), 2312-6.

Uranus, Neptune, Pluto, Transplutonian Planets

HST high-resolution images and maps of Pluto — S. A. Stern, M. W. Buie, and L. M. Trafton; **113** (2), 827-43.

Understanding libration via time-frequency analysis — Tabaré Gallardo and Sylvio Ferraz-Mello; **113** (2), 863-70.

Comets (Origin, Structure, Atmospheres, Dynamics)

Observations of structures in the inner coma of Chiron with the *HST* Planetary Camera — Karen J. Meech, Marc W. Buie, Nalin H. Samarasinha, Beatrice E. A. Mueller, and Michael J. S. Belton; **113** (2), 844-62.

Understanding libration via time-frequency analysis — Tabaré Gallardo and Sylvio Ferraz-Mello; **113** (2), 863-70.

The occultation of the QSO J0237+2848 by comet C/1996 B2 (Hyakutake) — Bryan J. Butler, Anthony J. Beasley, J. M. Wrobel, and Patrick Palmer; **113** (4), 1429-32.

Resonance hopping in comets — Edward Belbruno and Brian G. Marsden; **113** (4), 1433-44.

Accretion in the Edgeworth-Kuiper Belt: Forming 100–1000 km radius bodies at 30 AU and beyond — S. Alan Stern and Joshua E. Colwell; **114** (2), 841-9.

Photometry of the Trans-Neptunian Object 1993 SC — S. C. Tegler, W. Romanishin, A. Stone, K. Tryka, U. Fink, and R. Fevig; **114** (3), 1230-3.

Comets (Individual Objects)

Submillimeter continuum observations of comet Hyakutake (1996 B2) — David C. Jewitt and Henry E. Matthews; **113** (3), 1145-51.

The occultation of the QSO J0237+2848 by comet C/1996 B2 (Hyakutake) — Bryan J. Butler, Anthony J. Beasley, J. M. Wrobel, and Patrick Palmer; **113** (4), 1429-32.

BVR photometry of Centaur objects 1995 GO, 1993 HA₂, and 5145 Pholus — W. Romanishin, S. C. Tegler, J. Levine, and N. Butler; **113** (5), 1893-8.

Ultraviolet observations of Chiron with the *HST/FOS*: Examining a

Centaur's gray matter — Joel Wm. Parker, S. Alan Stern, Michel C. Festou, Michael F. A'Hearn, and David A. Weintraub; **113** (5), 1899-908.

The heliocentric evolution of key species in the distantly-active Comet C/1995 O1 (Hale-Bopp) — Maria Womack, M. C. Festou, and S. Alan Stern; **114** (6), 2789-95.

Stars

Parallaxes, Proper Motions, Radial Velocities, Space Motions, Distances

A radial velocity database for Stephenson-Sanduleak southern luminous stars — B. Cameron Reed and Kristine M. Kuhna; **113** (2), 823-6.

Fabry-Perot observations of globular clusters. III. M15 — Karl Gebhardt, Carlton Pryor, T. B. Williams, James E. Hesser, and Peter B. Stetson; **113** (3), 1026-38.

Low-mass binaries and the stellar luminosity function — I. Neill Reid and John E. Gizis; **113** (6), 2246-69.

Variable radial velocities among composite-spectrum binaries in the PG Catalog — Jerome A. Orosz, Richard A. Wade, and Jason J. B. Harlow; **114** (1), 317-25.

Discovery of an "a" element-poor halo star in a search for very low-metallicity disk stars — Bruce W. Carney, Jeffrey S. Wright, Chris Sneden, John B. Laird, Luis A. Aguilar, and David W. Latham; **114** (1), 363-75.

The solar neighborhood. IV. Discovery of the twentieth nearest star system — Todd J. Henry, Philip A. Ianna, J. Davy Kirkpatrick, and Hartmut Jahreiss; **114** (1), 388-95.

Radial velocities of southern stars obtained with the photoelectric scanner CORAVEL. VIII. Observations of 471 giant stars in ω Centauri — M. Mayor, G. Meylan, S. Udry, A. Duquenois, J. Andersen, B. Nordström, M. Imbert, E. Maurice, L. Prévot, A. Ardeberg, and H. Lindgren; **114** (3), 1087-97.

Infrared velocities of long period variables: CO Δv 3 in four Miras and five SR variables — Kenneth H. Hinkle, Thomas Lebzelter, and Werner W. G. Scharlach; **114** (6), 2686-99.

Chromospherically active stars. XVI. The double-lined binary 42 Capricorni — Francis C. Fekel; **114** (6), 2747-52.

Stellar Environments (Chromospheres, Coronae, Stellar Wind, Shells, Masers)

The OMC-1 molecular hydrogen outflow as a fragmented stellar wind bubble — Mark J. McCaughrean and Mordecai-Mark Mac Low; **113** (1), 391-400.

The infrared environment of the Wolf-Rayet star WR 134 — Serge Pineault and Susan Terebey; **113** (1), 433-8.

Erratum: "Multiwavelength observations of two moderate rotation RS CVn Systems: V815 Herculis and IM Pegasi" [Astron. J. **111**, 1356 (1996)] — Robert C. Dempsey, James E. Neff, Douglas O'Neal, and Katalin Olah; **113** (2), 871(E).

Detection of circumstellar dust shells of some distant B type stars — H. M. Tovmassian, S. G. Navarro, G. H. Tovmassian, and L. J. Corral; **113** (5), 1888-92.

Evidence for cleared regions in the disks around pre-main-sequence spectroscopic binaries — Eric L. N. Jensen and Robert D. Mathieu; **114** (1), 301-16.

A parsec-size bow shock around Betelgeuse — Alberto Noriega-Crespo, Dave Van Buren, Yu Cao, and Ruth Dgani; **114** (2), 837-40.

A metallicity lower limit in the BE Ursae Majoris sdO/DAO atmosphere from EUVE observations — Donald H. Ferguson, Stefan Haas, Ralf Piwotzki, James Liebert, and Richard W. Tweedy; **114** (3), 1227-9.

Young cool stars in the solar neighborhood — Michael F. Sterzik and Jürgen H. M. M. Schmitt; **114** (4), 1673-8.

HST and infrared images of the circumstellar environment of the cool hypergiant IRC+10420 — Roberta M. Humphreys, Nathan

Smith, Kris Davidson, Terry Jay Jones, Robert D. Gehrz, Christopher G. Mason, Thomas L. Hayward, James R. Houck, and Joachim Krautter; **114** (6), 2778-88.

Photometric Properties

CCD Strömgren photometry of young reddened clusters — Antonio J. Delgado, Emilio J. Alfaro, and Jesús Cabrera-Caño; **113** (2), 713-21.

UBVRI CCD observations and analyses for the near-contact binary, LP Cephei — Ronald G. Samer, Richard J. McDermith, Brian J. Carrigan, and Jamison D. Gray; **113** (2), 800-5.

UBVR and H α photometry of H II regions and OB associations in galaxies: A test for a variable IMF — Fabio Bresolin and Robert C. Kennicutt, Jr.; **113** (3), 975-80.

Spectral classification of "photometric subgiants" in open clusters — R. L. Sears and James R. Sowell; **113** (3), 1039-44.

Absolute flux distributions of solar analogs from the UV to the near-IR — Luis Colina and Ralph Bohlin; **113** (3), 1138-44.

CCD UBV photometry of the young open cluster NGC 3766 — André Moitinho, Emilio J. Alfaro, João Lin Yun, and Randy L. Phelps; **113** (4), 1359-70.

Ultra-cool M dwarfs discovered by QSO Surveys. I. The APM objects — J. Davy Kirkpatrick, Todd J. Henry, and Michael J. Irwin; **113** (4), 1421-8.

Photovisual magnitude differences for 169 double stars — Kaj Aa. Strand and Varkey V. Kallarakal; **113** (5), 1884-7.

The solar neighborhood. IV. Discovery of the twentieth nearest star system — Todd J. Henry, Philip A. Ianna, J. Davy Kirkpatrick, and Hartmut Jahreiss; **114** (1), 388-95.

On the blue straggler population of the globular cluster M55 — Georgi I. Mandushev, Gregory G. Fahlman, Harvey B. Richer, and Ian B. Thompson; **114** (3), 1060-6.

Red horizontal branch and early asymptotic branch stars near the Sun — Olin J. Eggen; **114** (4), 1666-72.

The stellar content near the Galactic Center — T. J. Davidge, D. A. Simons, F. Rigaut, R. Doyon, and D. Crampton; **114** (6), 2586-95.

Spectra, Temperatures, Chemical Composition, etc.

Reddenings, metallicities, and possible abundance anomalies in young globular clusters — Ata Sarajedini and Andrew Layden; **113** (1), 264-78.

Proton capture chains in globular cluster stars. II. Oxygen, sodium, magnesium, and aluminum abundances in M13 giants brighter than the horizontal branch — Robert P. Kraft, Christopher Sneden, Graeme H. Smith, Matthew D. Shetrone, G. E. Langer, and Catherine A. Pilachowski; **113** (1), 279-95.

Lithium in very low-mass stars in the Pleiades — B. R. Oppenheimer, G. Basri, T. Nakajima, and S. R. Kulkarni; **113** (1), 296-305.

Isotopic carbon abundances in M71 — Michael M. Bilely, Verne V. Smith, Jeremy King, and David L. Lambert; **113** (1), 306-10.

M-subdwarfs: Spectroscopic classification and the metallicity scale — John E. Gizis; **113** (2), 806-22.

Discovery of a faint carbon star at high galactic latitude — J. Ward Moody, Stephen A. Gregory, Michael S. Soukup, and Eric C. Jaderlund; **113** (3), 1022-5.

Spectral classification of "photometric subgiants" in open clusters — R. L. Sears and James R. Sowell; **113** (3), 1039-44.

The infrared Ca II triplet as a metallicity indicator of stellar populations — T. P. Idiart, F. Thévenin, and J. A. de Freitas Pacheco; **113** (3), 1066-72.

Chemical abundances of Galactic cepheid variables that calibrate the P-L relation — A. M. Fry and B. W. Carney; **113** (3), 1073-87.

OH 1.563 μ m absorption from starspots on active stars — Douglas O'Neal and James E. Neff; **113** (3), 1129-37.

- Blue horizontal branch stars in M92 — J. G. Cohen and J. K. McCarthy; **113** (4), 1353-8.
- 3–12.5 μm spectroscopy of V705 Cassiopeiae (Nova Cassiopeiae 1993) — David K. Lynch, Ray W. Russell, Robert C. Kellogg, Ann L. Mazuk, and Martha S. Hanner; **113** (4), 1391-4.
- Luminosity and temperature from near-infrared spectra of late-type giant stars — S. V. Ramirez, D. L. DePoy, Jay A. Frogel, K. Sellgren, and R. D. Blum; **113** (4), 1411-20.
- Ultra-cool M dwarfs discovered by QSO Surveys. I. The APM objects — J. Davy Kirkpatrick, Todd J. Henry, and Michael J. Irwin; **113** (4), 1421-8.
- Erratum: "The Palomar/MSU nearby star spectroscopic survey. II. The southern M dwarfs and investigation of magnetic activity" [Astron. J., **112**, 2799 (1996)] — Suzanne L. Hawley, John E. Gizis, and I. Neill Reid; **113** (4), 1458-69(E).
- The influence of the photoionizing radiation spectrum on metal-line ratios in Ly α forest clouds — Mark L. Giroux and J. Michael Shull; **113** (5), 1505-13.
- The stellar populations of spiral disks. I. A new observational approach: Description of the technique and spectral gradients for the inter-arm regions of NGC 4321 (M100) — Dominique Beauchamp and Eduardo Hardy; **113** (5), 1666-77.
- H-band spectroscopic classification of OB stars — R. D. Blum, T. M. Ramond, P. S. Conti, D. F. Figer, and K. Sellgren; **113** (5), 1855-9.
- HD 195636: A metal-poor rotator near the HB/AGB transition — George W. Preston; **113** (5), 1860-4.
- Discrete classification with Principal Component Analysis: Discrimination of giant and dwarf spectra in K stars — Rodrigo A. Ibata and Michael J. Irwin; **113** (5), 1865-70.
- Lithium abundances in the solar twins 16 Cyg A and B and the solar analog α Cen A, calibration of the 6707 Å Li region linelist, and implications — Jeremy R. King, Constantine P. Deliyannis, Daniel D. Hiltgen, Alex Stephens, Katia Cunha, and Ann Merchant Boesgaard; **113** (5), 1871-83.
- On "A new stellar nursery in the Southern Cross" [Astron. J., **112**, 693 (1996)] — Eric D. Feigelson and Warrick A. Lawson; **113** (6), 2130-3.
- Time-resolved spectroscopy of RS CVn short-period systems. I. CG Cyg, BH Vir, and ER Vul — C. Lázaro and M. J. Arévalo; **113** (6), 2283-301.
- Abundance ratios in a common proper motion pair: Chemical evidence of accreted substructure in the halo field? — Jeremy R. King; **113** (6), 2302-11.
- High-resolution CCD spectra of stars in globular clusters. IX. The "young" clusters Ruprecht 106 and Pal 12 — Jeffrey A. Brown, George Wallerstein, and Daniel Zucker; **114** (1), 180-8.
- Abundance analyses of type II Cepheids in globular clusters — Guillermo Gonzalez and David L. Lambert; **114** (1), 341-51.
- The evolution of the lithium abundances of solar-type stars. VII. M34 (NGC 1039) and the role of rotation in lithium depletion — Burton F. Jones, Debra Fischer, Matthew Shetrone, and David R. Soderblom; **114** (1), 352-62.
- Discovery of an " α " element-poor halo star in a search for very low-metallicity disk stars — Bruce W. Carney, Jeffrey S. Wright, Chris Sneden, John B. Laird, Luis A. Aguilar, and David W. Latham; **114** (1), 363-75.
- High-resolution abundance analysis of very metal-rich stars in the solar neighborhood — Sandra Castro, R. Michael Rich, Michel Grenon, Beatriz Barbuy, and James K. McCarthy; **114** (1), 376-87.
- The solar neighborhood. IV. Discovery of the twentieth nearest star system — Todd J. Henry, Philip A. Ianna, J. Davy Kirkpatrick, and Hartmut Jahreiss; **114** (1), 388-95.
- The giant branches of open and globular clusters in the infrared as metallicity indicators: A comparison with theory — Glenn P. Tiede, Paul Marfani, and Jay A. Frogel; **114** (2), 694-8.
- Spectrophotometry of 237 stars in 7 open clusters — Lori Clampitt and David Burstein; **114** (2), 699-712.
- The classical T Tauri spectroscopic binary DQ Tau. II. Emission line variations with orbital phase — Gibor Basri, Christopher M. Johns-Krull, and Robert D. Mathieu; **114** (2), 781-92.
- Carbon isotope ratios from the first overtone CO bands in metal-poor giants — C. Pilachowski, C. Sneden, K. Hinkle, and R. Joyce; **114** (2), 819-24.
- The abundance of CN, calcium and heavy elements in high velocity stars — Olin J. Eggen; **114** (2), 825-36.
- CN and CH Band Strengths of 283 47 Tucanae Giants — Michael M. Briley; **114** (3), 1051-9.
- The dynamical mass of the beat Cepheid Y Carinae and stellar opacities — E. Böhm-Vitense, N. R. Evans, K. Carpenter, S. Morgan, B. Beck-Winchatz, and R. Robinson; **114** (3), 1176-82.
- A metallicity lower limit in the BE Ursae Majoris sdO/DAO atmosphere from EUVE observations — Donald H. Ferguson, Stefan Haas, Ralf Napiwotzki, James Liebert, and Richard W. Tweedy; **114** (3), 1227-9.
- Matching stellar population models to bulge globular clusters — G. Bruzual A., B. Barbuy, S. Ortolani, E. Bica, F. Cuisinier, T. Lejeune, and R. P. Schiavon; **114** (4), 1531-8.
- Spectroscopy of Mira variables at different phases — Michael W. Castelar and Donald G. Luttermoser; **114** (4), 1584-91.
- Red horizontal branch and early asymptotic branch stars near the Sun — Olin J. Eggen; **114** (4), 1666-72.
- UV spectral classification of O and B stars in the Small Magellanic Cloud — Margaret M. Smith Neubig and Frederick C. Bruhweiler; **114** (5), 1951-63.
- Star-to-star abundance variations among bright giants in the metal-poor globular cluster M15 — Christopher Sneden, Robert P. Kraft, Matthew D. Shetrone, Graeme H. Smith, G. E. Langer, and Charles F. Prosser; **114** (5), 1964-81.
- A detailed analysis of the high-resolution spectra of the symbiotic star BD-21° 3873 — C. B. Pereira and G. F. Porto de Mello; **114** (5), 2128-39.
- Near-infrared spectra of flat-spectrum protostars: Extremely young photospheres revealed — Thomas P. Greene and Charles J. Lada; **114** (5), 2157-65.
- Element enrichment and stellar populations of gas-rich low surface brightness dwarf galaxies — Liese van Zee, Martha P. Haynes, and John J. Salzer; **114** (6), 2497-504.
- Mid-infrared hydrogen recombination line emission from the maser star MWC 349A — Howard A. Smith, V. Strelitski, J. W. Miles, D. M. Kelly, and J. H. Lacy; **114** (6), 2658-63.

Luminosities, Masses, Diameters, HR and other Diagrams

- Reddenings, metallicities, and possible abundance anomalies in young globular clusters — Ata Sarajedini and Andrew Layden; **113** (1), 264-78.
- Massive star formation along the Hubble sequence — Nicholas A. Devereux and Salman Hameed; **113** (2), 599-608.
- The age of NGC 3680 and a test of convective overshoot — Vera Kozhurina-Platais, Pierre Demarque, Imants Platais, Jerome A. Orosz, and Sydney Barnes; **113** (3), 1045-56.
- Luminosity and temperature from near-infrared spectra of late-type giant stars — S. V. Ramirez, D. L. DePoy, Jay A. Frogel, K. Sellgren, and R. D. Blum; **113** (4), 1411-20.
- The solar neighborhood. IV. Discovery of the twentieth nearest star system — Todd J. Henry, Philip A. Ianna, J. Davy Kirkpatrick, and Hartmut Jahreiss; **114** (1), 388-95.
- The dynamical mass of the beat Cepheid Y Carinae and stellar opacities — E. Böhm-Vitense, N. R. Evans, K. Carpenter, S. Morgan, B. Beck-Winchatz, and R. Robinson; **114** (3), 1176-82.
- The final helium flash object Sakurai: Photometric behavior and physical

- characteristics — Hilmar W. Duerbeck, Stefano Benetti, Alfred Gautschi, Arnout M. van Genderen, Ciska Kemper, William Liller, and Tom Thomas; **114** (4), 1657-56.
- Red horizontal branch and early asymptotic branch stars near the Sun — Olin J. Eggen; **114** (4), 1666-72.
- Low-mass binaries in the Hyades: A scarcity of brown dwarfs — I. Neill Reid and John E. Gizis; **114** (5), 1992-8.
- Angular size measurements of carbon Miras and S-type stars — G. T. van Belle, H. M. Dyck, R. R. Thompson, J. A. Benson, and S. J. Kannappan; **114** (5), 2150-6.

Magnetic Fields, Polarization, Rotation, Radio Radiation

- Infrared polarimetry of star-forming regions: The Serpens cloud core — Hisato Sogawa, Motohide Tamura, Ian Gatley, and K. M. Merrill; **113** (3), 1057-65.

Erratum: "The Palomar/MSU nearby star spectroscopic survey. II. The southern M dwarfs and investigation of magnetic activity" [Astron. J., **112**, 2799 (1996)] — Suzanne L. Hawley, John E. Gizis, and I. Neill Reid; **113** (4), 1458-69(E).

- HD 195636: A metal-poor rotator near the HB/AGB transition — George W. Preston; **113** (5), 1860-4.

- Rotation periods for stars in NGC 2264 — Kristin E. Kearns, Nancy L. Eaton, William Herbst, and Christopher J. Mazzurco; **114** (3), 1098-105.

Close Binaries (Observations, Theory)

- Eclipsing binaries in the OGLE variable star catalog. I. W UMa-type systems as distance and population tracers in Baade's Window — Slavek M. Rucinski; **113** (1), 407-24.
- Ry Persei: An early-type interacting close binary — Edward C. Olson and Mirek J. Plavec; **113** (1), 425-32.
- UBVR_I CCD observations and analyses for the near-contact binary, LP Cephei — Ronald G. Samec, Richard J. McDermith, Brian J. Carrigan, and Jamison D. Gray; **113** (2), 800-5.
- Erratum: "Multiwavelength observations of two moderate rotation RS CVn Systems: V815 Herculis and IM Pegasi" [Astron. J., **111**, 1356 (1996)] — Robert C. Dempsey, James E. Neff, Douglas O'Neal, and Katalin Olah; **113** (2), 871(E).
- OH 1.563 μ m absorption from starspots on active stars — Douglas O'Neal and James E. Neff; **113** (3), 1129-37.
- Spectroscopy and photometry of EUVE J1429-38.0: An eclipsing magnetic cataclysmic variable — Steve B. Howell, Nahide Craig, Bryce Roberts, Paddy McGee, and Martin Sirk; **113** (6), 2231-41.
- Discovery of eclipses in the short-period RS CVn system 1E1919+0427 — David L. Summers and Paul A. Heckert; **113** (6), 2242-5.
- Photometric analysis of a near-contact binary, HL Aurigae: Evidence for a third body — Jamison D. Gray, Ronald G. Samec, and Brian J. Carrigan; **113** (6), 2270-5.
- IUE and Voyager observations of the unusual cataclysmic variable S193 — Paula Szkody, Peter Garnavich, Jay Holberg, Andrew Silber, and Lora Pastwick; **113** (6), 2276-82.
- Time-resolved spectroscopy of RS CVn short-period systems. I. CG Cyg, BH Vir, and ER Vul — C. Lázaro and M. J. Arévalo; **113** (6), 2283-301.
- Binary star orbits from speckle interferometry. XI. Orbits of twelve lunar occultation systems — Brian D. Mason; **114** (2), 808-18.
- A metallicity lower limit in the BE Ursae Majoris sdO/DAO atmosphere from EUVE observations — Donald H. Ferguson, Stefan Haas, Ralf Napiwotzki, James Liebert, and Richard W. Tweedy; **114** (3), 1227-9.
- ICCD speckle observations of binary stars. XVII. Measurements during 1993-1995 from the Mount Wilson 2.5-m telescope — William I. Hartkopf, Harold A. McAlister, Brian D. Mason, Theo ten Brummelaar, Lewis C. Roberts, Jr., Nils H. Turner, and John W. Wilson; **114** (4), 1639-56.
- ICCD speckle observations of binary stars. XVIII. An investigation of Be

- stars — Brian D. Mason, Theo ten Brummelaar, Douglas R. Gies, William I. Hartkopf, and Michelle L. Thaller; **114** (5), 2112-6.

- CCD speckle observations of binary stars from the Southern Hemisphere — Elliott P. Horch, Zoran Ninkov, and Robert W. Slawson; **114** (5), 2117-27.

- A detailed analysis of the high-resolution spectra of the symbiotic star BD-21° 3873 — C. B. Pereira and G. F. Porto de Mello; **114** (5), 2128-39.

- RZ Tauri: New light curves and analysis — Steven L. Morris and Stephen A. Naftilan; **114** (5), 2145-9.

Visual Binaries, Multiple Stars, Astrometric Binaries

- A companion to the white dwarf G261-43 — B. Zuckerman, E. E. Becklin, B. A. Macintosh, and T. Bida; **113** (2), 764-6.
- New and improved parameters of HD 202908=ADS 14839: A spectroscopic-visual triple system — Francis C. Fekel, C. D. Scarfe, D. J. Barlow, Antoine Duquennoy, Harold A. McAlister, William I. Hartkopf, Brian D. Mason, and Andrei A. Tokovinin; **113** (3), 1095-105.
- Photovisual magnitude differences for 169 double stars — Kaj Aa. Strand and Varkey V. Kallarakal; **113** (5), 1884-7.
- Low-mass binaries and the stellar luminosity function — I. Neill Reid and John E. Gizis; **113** (6), 2246-69.
- BY Draconis is a triple star system — B. Zuckerman, Richard A. Webb, E. E. Becklin, Ian S. McLean, and Matthew A. Malkan; **114** (2), 805-7.
- Multichannel optical aperture synthesis imaging of ζ^1 Ursae Majoris with the Navy Prototype Optical Interferometer — J. A. Benson, D. J. Hutter, N. M. Elias, II, P. F. Bowers, K. J. Johnston, A. R. Hajian, J. T. Armstrong, D. Mozurkewich, T. A. Pauls, L. J. Rickard, C. A. Hummel, N. M. White, D. Black, and C. S. Denison; **114** (3), 1221-6.
- Binary search among x-ray active stars south of the Taurus molecular cloud — Michael F. Sterzik, Richard H. Durisen, Wolfgang Brandner, John Jurcevic, and R. Kent Honeycutt; **114** (4), 1555-66.
- Binary star orbits from speckle interferometry. X. Speckle-spectroscopic orbits of HR 233, 36 Tau, and 73 Leo — Brian D. Mason, Harold A. McAlister, William I. Hartkopf, R. F. Griffin, and R. E. M. Griffin; **114** (4), 1607-22.
- ICCD speckle observations of binary stars. XVI. Measurements during 1982-1989 from the Perkins 1.8-m telescope — Hsieh-Hai Fu, William I. Hartkopf, Brian D. Mason, Harold A. McAlister, Edmund G. Dombrowski, Tor Westin, and Otto G. Franz; **114** (4), 1623-38.
- ICCD speckle observations of binary stars. XVII. Measurements during 1993-1995 from the Mount Wilson 2.5-m telescope — William I. Hartkopf, Harold A. McAlister, Brian D. Mason, Theo ten Brummelaar, Lewis C. Roberts, Jr., Nils H. Turner, and John W. Wilson; **114** (4), 1639-56.
- Low-mass binaries in the Hyades: A scarcity of brown dwarfs — I. Neill Reid and John E. Gizis; **114** (5), 1992-8.

Eclipsing Binaries

- U.B.V light curves of the short-period solar-type eclipsing binary, V417 Aquilae — Ronald G. Samec, Brandy R. Pauley, and Brian J. Carrigan; **113** (1), 401-6.
- UBVR_I CCD observations and analyses for the near-contact binary, LP Cephei — Ronald G. Samec, Richard J. McDermith, Brian J. Carrigan, and Jamison D. Gray; **113** (2), 800-5.
- Absolute dimensions and masses of YY Sagittarii and V526 Sagittarii — Claud H. Sandberg Lacy; **113** (3), 1091-4.
- Optimal eclipsing binary systems for distance determination — E. B. Lee; **113** (3), 1106-11.
- Eclipsing binaries in the OGLE Variable Star Catalog. II. Light curves of the W UMa-type systems in Baade's window — Slavek M. Rucinski; **113** (3), 1112-21.

- Infrared light curves and spectroscopic classification of the Algol system UX Her — C. Lázaro, I. G. Martínez-Pais, M. J. Arévalo, and E. Antonopoulou; **113** (3), 1122-8.
- Absolute dimensions and masses of AD Bootis — Claud H. Sandberg Lacy; **113** (4), 1406-10.
- Erratum: "Orbits of detached main-sequence eclipsing binaries of types late F to K. I. RT Andromedae and CG Cygni" [Astron. J., **108**, 1091, (1994)] — Daniel M. Popper; **113** (4), 1457(E).
- CCD photometry of faint variable stars in the field of the globular cluster M4 — Janusz Kaluzny, Ian B. Thompson, and Wojtek Krzeminski; **113** (6), 2219-25.
- Absolute dimensions and masses of SW Canis Majoris — Claud H. Sandberg Lacy; **113** (6), 2226-30.
- Spectroscopy and photometry of EUVE J1429-38.0: An eclipsing magnetic cataclysmic variable — Steve B. Howell, Nahide Craig, Bryce Roberts, Paddy McGee, and Martin Sirk; **113** (6), 2231-41.
- Discovery of eclipses in the short-period RS CVn system IE1919+0427 — David L. Summers and Paul A. Heckert; **113** (6), 2242-5.
- The MACHO Project LMC variable star inventory. V. Classification and orbits of 611 eclipsing binary stars — C. Alcock, R. A. Allsman, D. Alves, T. S. Axelrod, A. C. Becker, D. P. Bennett, K. H. Cook, K. C. Freeman, K. Griest, C. H. S. Lacy, M. J. Lehner, S. L. Marshall, D. Minniti, B. A. Peterson, M. R. Pratt, P. J. Quinn, A. W. Rodgers, C. W. Stubbs, W. Sutherland, and D. L. Welch; **114** (1), 326-40.
- The eclipsing double-lined spectroscopic binary system V505 Persei — Laurence A. Marschall, Robert P. Stefanik, Claud H. Lacy, Guillermo Torres, David B. Williams, and Franz Agerer; **114** (2), 793-9.
- RY Geminorum—Revised elements — M. B. K. Sarma and P. Vivekananda Rao; **114** (2), 800-4.
- Orbits of detached main-sequence eclipsing binaries of types late F to K. II. UV Leonis, UV Piscium, and BH Virginis — Daniel M. Popper; **114** (3), 1195-205.
- Absolute dimensions and masses of IT Cassiopeiae — Claud H. Sandberg Lacy, Guillermo Torres, David W. Latham, Mamnun M. Zakirov, and G. C. Arzumanyants; **114** (3), 1206-20.
- Absolute dimensions and masses of eclipsing binary stars: The anomalous triple star V909 Cygni — Claud H. Sandberg Lacy; **114** (5), 2140-4.
- RZ Tauri: New light curves and analysis — Steven L. Morris and Stephen A. Nafilan; **114** (5), 2145-9.
- The period changes of YY Eridani — Chun-Hwey Kim, Jang Hae Jeong, Osman Demircan, Zekeriya Müyesseroglu, and Edwin Budding; **114** (6), 2753-63.
- Absolute dimensions of eclipsing binaries. XXII. The unevolved F-type system HS Hydrae — Guillermo Torres, Robert P. Stefanik, Johannes Andersen, Birgitta Nordström, David W. Latham, and Jens V. Clausen; **114** (6), 2764-77.
- ### Spectroscopic Binaries
- High-state/low-state behavior in the long-term light curve of V Sagittae — Jeff W. Robertson, R. Kent Honeycutt, and Jeffrey R. Pier; **113** (2), 787-91.
- The orbit of the classical Cepheid V350 Sgr — Nancy Remage Evans and Benjamin J. A. Sugars; **113** (2), 792-9.
- The spectroscopic orbit of π Ceti — C. H. S. Lacy, F. C. Fekel, R. D. Mathieu, N. I. Morrell, J. A. Morse, G. Torres, and D. Willmarth; **113** (3), 1088-90.
- Absolute dimensions and masses of YY Sagittarii and V526 Sagittarii — Claud H. Sandberg Lacy; **113** (3), 1091-4.
- New and improved parameters of HD 202908=ADS 14839: A spectroscopic-visual triple system — Francis C. Fekel, C. D. Scarfe, D. J. Barlow, Antoine Duquennoy, Harold A. McAlister, William I. Hartkopf, Brian D. Mason, and Andrei A. Tokovinin; **113** (3), 1095-105.
- Absolute dimensions and masses of AD Bootis — Claud H. Sandberg Lacy; **113** (4), 1406-10.
- The classical T Tauri spectroscopic binary DQ Tau. I. Orbital elements and light curves — Robert D. Mathieu, Keivan Stassun, Gibor Basri, Eric L. N. Jensen, Christopher M. Johns-Krull, Jeff A. Valenti, and Lee W. Hartmann; **113** (5), 1841-54.
- Evidence for cleared regions in the disks around pre-main-sequence spectroscopic binaries — Eric L. N. Jensen and Robert D. Mathieu; **114** (1), 301-16.
- Variable radial velocities among composite-spectrum binaries in the PG Catalog — Jerome A. Orosz, Richard A. Wade, and Jason J. B. Harlow; **114** (1), 317-25.
- The classical T Tauri spectroscopic binary DQ Tau. II. Emission line variations with orbital phase — Gibor Basri, Christopher M. Johns-Krull, and Robert D. Mathieu; **114** (2), 781-92.
- The eclipsing double-lined spectroscopic binary system V505 Persei — Laurence A. Marschall, Robert P. Stefanik, Claud H. Lacy, Guillermo Torres, David B. Williams, and Franz Agerer; **114** (2), 793-9.
- BY Draconis is a triple star system — B. Zuckerman, Richard A. Webb, E. E. Becklin, Ian S. McLean, and Matthew A. Malkan; **114** (2), 805-7.
- Binary star orbits from speckle interferometry. X. Speckle-spectroscopic orbits of HR 233, 36 Tau, and 73 Leo — Brian D. Mason, Harold A. McAlister, William I. Hartkopf, R. F. Griffin, and R. E. M. Griffin; **114** (4), 1607-22.
- A detailed analysis of the high-resolution spectra of the symbiotic star BD-21° 3873 — C. B. Pereira and G. F. Porto de Mello; **114** (5), 2128-39.
- Chromospherically active stars. XVI. The double-lined binary 42 Capricorni — Francis C. Fekel; **114** (6), 2747-52.
- ### Early-stage Stars (T Tauri Stars, Herbig-Haro Objects, etc.)
- X-ray surveys and the post-T Tauri problem — César Briceño, Lee W. Hartmann, John R. Stauffer, Marc Gagné, Robert A. Stern, and Jean-Pierre Caillault; **113** (2), 740-51.
- Bow shocks around runaway stars. III. The high resolution maps — Alberto Noriega-Crespo, Dave Van Buren, and Ruth Dgani; **113** (2), 780-6.
- Optical outburst of a pre-main-sequence object — João Alves, Lee Hartmann, César Briceño, and Charles J. Lada; **113** (4), 1395-405.
- The classical T Tauri spectroscopic binary DQ Tau. I. Orbital elements and light curves — Robert D. Mathieu, Keivan Stassun, Gibor Basri, Eric L. N. Jensen, Christopher M. Johns-Krull, Jeff A. Valenti, and Lee W. Hartmann; **113** (5), 1841-54.
- On "A new stellar nursery in the Southern Cross" [Astron. J., **112**, 693 (1996)] — Eric D. Feigelson and Warrick A. Lawson; **113** (6), 2130-3.
- The bipolar optical outflow associated with PV Cephei — Mercedes Gomez, Scott J. Kenyon, and Barbara A. Whitney; **114** (1), 265-71.
- Infrared imaging of HH 25/26 and HH 42/128 — Richard D. Schwartz, Michael G. Burton, and Joseph Herrmann; **114** (1), 272-9.
- Parsec-scale jets from young stars — Jochen Eisloffel and Reinhard Mundt; **114** (1), 280-7.
- Intrinsic near-infrared excesses of T Tauri stars: Understanding the classical T Tauri star locus — Michael R. Meyer, Nuria Calvet, and Lynne A. Hillenbrand; **114** (1), 288-300.
- Herbig Haro Objects in the Orion nebula — C. R. O'Dell, Patrick Hartigan, W. M. Lane, S. K. Wong, Michael G. Burton, John Raymond, and David J. Axon; **114** (2), 730-43.
- Wind-disk-ambient cloud interactions in the near environment of T Tauri — T. M. Herbst, M. Robberto, and S. V. W. Beckwith; **114** (2), 744-56.
- Hubble Space Telescope images of the HH 111 jet — Bo Reipurth, Patrick Hartigan, Steve Heathcote, Jon A. Morse, and John Bally; **114** (2), 757-80.

- The classical T Tauri spectroscopic binary DQ Tau. II. Emission line variations with orbital phase — Gibor Basri, Christopher M. Johns-Krull, and Robert D. Mathieu; **114** (2), 781-92.
- The NGC 281 West Cluster. I. Star formation in photoevaporating clumps — S. T. Megeath and T. L. Wilson; **114** (3), 1106-20.
- A survey of optical and near-infrared jets in Taurus embedded sources — Mercedes Gomez, Barbara A. Whitney, and Scott J. Kenyon; **114** (3), 1138-53.
- Kinematics and evolution of the giant HH34 complex — David Devine, John Bally, Bo Reipurth, and Steve Heathcote; **114** (5), 2095-111.
- Infrared spectroscopy of Herbig-Haro energy sources — Bo Reipurth and Colin Aspin; **114** (6), 2700-7.
- Giant Herbig-Haro flows — Bo Reipurth, John Bally, and David Devine; **114** (6), 2708-35.
- HST* images of the high-excitation Herbig-Haro object HH 32 — S. Curiel, A. Raga, J. Raymond, A. Noriega-Crespo, and J. Canto; **114** (6), 2736-46.

Intrinsic Variables (Pulsating Variables, Spectrum Variables, etc.)

- The first steps of the extragalactic distance ladder — Erika Böhm-Vitense; **113** (1), 13-21.
- Time-frequency analysis and pulsation modes of LPV stars. I. *O* Ceti — D. Barthes and J. A. Mattei; **113** (1), 373-90.
- The orbit of the classical Cepheid V350 Sgr — Nancy Remage Evans and Benjamin J. A. Sugars; **113** (2), 792-9.
- Chemical abundances of Galactic cepheid variables that calibrate the P-L relation — A. M. Fry and B. W. Carney; **113** (3), 1073-87.
- The structure of the light curves of the RR Lyrae variables in the Oosterhoff type I cluster NGC 6171 — Christine M. Clement and Ian Shelton; **113** (5), 1711-22.
- Baade-Wessellink radius determination of Type II Cepheids — Z. Balog, J. Vinkó, and G. Kaszás; **113** (5), 1833-40.
- Galactic clusters with associated Cepheid variables. V. The case of SU Cygni — David G. Turner, Georgi I. Mandushev, and Gary A. Welch; **113** (6), 2104-15.
- Evolutionary scenario for metal-poor pulsating stars. II. Anomalous Cepheids — Giuseppe Bono, Filippina Caputo, Patrizia Santolamazza, Santi Cassisi, and Anna Piersimoni; **113** (6), 2209-18.
- The bipolar optical outflow associated with PV Cephei — Mercedes Gomez, Scott J. Kenyon, and Barbara A. Whitney; **114** (1), 265-71.
- Abundance analyses of type II Cepheids in globular clusters — Guillermo Gonzalez and David L. Lambert; **114** (1), 341-51.
- Erratum: "Time-frequency analysis and pulsation modes of LPV stars. I. *O* Ceti" [Astron. J., **113**, 373 (1997)] — D. Barthes and J. A. Mattei; **114** (2), 859-60(E).
- On the Cepheid variables of nearby galaxies. III. NGC 3109 — Ilaria Musella, Giampaolo Piotto, and Massimo Capaccioli; **114** (3), 976-87.
- The dynamical mass of the beat Cepheid Y Carinae and stellar opacities — E. Böhm-Vitense, N. R. Evans, K. Carpenter, S. Morgan, B. Beck-Winchatz, and R. Robinson; **114** (3), 1176-82.
- Beat Cepheid period ratios from Opal opacities — Siobahn M. Morgan and Douglas L. Welch; **114** (3), 1183-9.
- NSV 09295: A double-mode RR Lyrae variable — Enrique Garcia-Melendo and Christine M. Clement; **114** (3), 1190-4.
- Spectroscopy of Mira variables at different phases — Michael W. Castelaz and Donald G. Luttermoser; **114** (4), 1584-91.
- A new pulsation spectrum and asteroseismology of δ Scuti — Matthew R. Templeton, Bernard J. McNamara, Joyce A. Guzik, Paul A. Bradley, Arthur N. Cox, and John Middleditch; **114** (4), 1592-601.
- A renewed search for water maser emission from Mira variables — B. M. Lewis; **114** (4), 1602-6.
- RR Lyrae variables in a new galactic bulge window — Betty M. Blanco and V. M. Blanco; **114** (6), 2596-603.

Mid-infrared hydrogen recombination line emission from the maser star MWC 349A — Howard A. Smith, V. Strelitski, J. W. Miles, D. M. Kelly, and J. H. Lacy; **114** (6), 2658-63.

The evolution of the final helium shell flash star V605 Aquilae, from 1917 to 1997 — Geoffrey C. Clayton and Orsola De Marco; **114** (6), 2679-85.

Variable Stars (Surveys, Lists of Observations, Charts, etc.)

- The structure of the light curves of the RR Lyrae variables in the Oosterhoff type I cluster NGC 6171 — Christine M. Clement and Ian Shelton; **113** (5), 1711-22.
- CCD photometry of faint variable stars in the field of the globular cluster M4 — Janusz Kaluzny, Ian B. Thompson, and Wojtek Krzeminski; **113** (6), 2219-25.
- 1420 MHz continuum and polarization observations of the Cygnus Loop — D. A. Leahy, R. S. Roger, and D. Ballantyne; **114** (5), 2081-94.
- RR Lyrae variables in a new galactic bulge window — Betty M. Blanco and V. M. Blanco; **114** (6), 2596-603.
- Infrared velocities of long period variables: CO Δv 3 in four Miras and five SR variables — Kenneth H. Hinkle, Thomas Lebzelter, and Werner W. G. Scharlach; **114** (6), 2686-99.

Novae

- 3–12.5 μ m spectroscopy of V705 Cassiopeiae (Nova Cassiopeiae 1993) — David K. Lynch, Ray W. Russell, Robert C. Kellogg, Ann. L. Mazuk, and Martha S. Hanner; **113** (4), 1391-4.
- Ultraviolet spectropolarimetry of three classical novae early in outburst: Evidence for aspherical shells — J. J. Johnson, C. M. Anderson, K. S. Bjorkman, A. D. Code, G. K. Fox, A. J. Weitenbeck, W. Sanders, B. L. Babler, M. R. Meade, N. E. B. Zellner, R. J. Edgar, A. M. Magalhães, G. C. Clayton, R. E. Schulte-Ladbeck, J. E. Herald, and O. L. Lupie; **113** (6), 2200-8.
- HST* imagery of the non-expanding, clumped "shell" of the recurrent nova T Pyxidis — Michael M. Shara, David R. Zurek, Robert E. Williams, Dina Prialnik, Roberto Gilmozzi, and Anthony F. J. Moffat; **114** (1), 258-64.
- HST* synthetic spectral analysis of U Gem in early and late quiescence: A heated white dwarf and accretion belt? — F. H. Cheng, E. M. Sion, Keith Horne, I. Hubeny, M. Huang, and S. D. Vrtiljek; **114** (3), 1165-9.
- A Doppler map and mass-ratio constraint for the black-hole X-ray Nova Ophiuchi 1977 — Emiliós T. Harlaftis, Danny Steeghs, Keith Horne, and Alexei V. Filippenko; **114** (3), 1170-5.
- Post-maximum optical and infrared observations of Nova V1425 Aquilae 1995 — U. S. Kamath, G. C. Anupama, N. M. Ashok, and T. Chandrasekhar; **114** (6), 2671-8.
- The evolution of the final helium shell flash star V605 Aquilae, from 1917 to 1997 — Geoffrey C. Clayton and Orsola De Marco; **114** (6), 2679-85.

Supernovae, Supernova Remnants

- Distribution of supernovae in spiral galaxies — Sidney van den Bergh; **113** (1), 197-200.
- Infrared photometry of supernova 1993J in M81 — Takehiko Wada and Munetaka Ueno; **113** (1), 231-5.
- An optical study of the circumstellar environment around the Crab Nebula — Robert A. Fesen, J. Michael Shull, and Alan P. Hurford; **113** (1), 354-63.
- Optical imaging and spectroscopy of the galactic supernova remnants CTB 1 (G116.9+0.2), G116.5+1.1, and G114.3+0.3 — Robert A. Fesen, P. Frank Winkler, Yasser Rathore, Ronald A. Downes, Debra Wallace, and Richard W. Tweedy; **113** (2), 767-79.
- New radio and optical study of the supernova remnant W44 — E. B. Giacani, G. M. Dubner, N. E. Kassim, D. A. Frail, W. M. Goss, P. F. Winkler, and B. F. Williams; **113** (4), 1379-90.
- Supernova remnants in OB associations — You-Hua Chu; **113** (5), 1815-32.
- The giant branches of open and globular clusters in the infrared as

- metallicity indicators: A comparison with theory — Glenn P. Tiede, Paul Martini, and Jay A. Frogel; **114** (2), 694-8.
- Time dilation from spectral feature age measurements of Type Ia supernovae — A. G. Riess, A. V. Filippenko, D. C. Leonard, B. P. Schmidt, N. Suntzeff, M. M. Phillips, R. Schommer, A. Clocchiatti, R. P. Kirshner, P. Garnavich, P. Challis, B. Leibundgut, J. Spyromilio, and R. C. Smith; **114** (2), 722-9.
- Stellar populations and the white dwarf mass function: Connections to supernova Ia luminosities — Ted von Hippel, G. D. Bothun, and R. A. Schommer; **114** (3), 1154-64.
- Optical spectra of recent supernovae of type Ia: SN1995al, SN1997Y, SN1997bp — G. C. Anupama; **114** (5), 2054-7.
- Continuation of a survey of OH (1720 MHz) maser emission towards supernova remnants — A. J. Green, D. A. Frail, W. M. Goss, and R. Otrupcek; **114** (5), 2058-67.
- The interstellar environment of filled-center supernova remnants. II. G63.7+1.1 — B. J. Wallace, T. L. Landecker, and A. R. Taylor; **114** (5), 2068-80.
- The discovery of Balmer-filaments encircling SNR RCW 86 — R. Chris Smith; **114** (6), 2664-70.
- Low-luminosity Stars, Subdwarfs, White Dwarfs, Degenerate Stars**
- Ongoing mass ejection in the peculiar, hot DO degenerate KPD 0005+5106 — Edward M. Sion, Jay B. Holberg, Martin A. Barstow, and Maureen P. Scheible; **113** (1), 364-72.
- A companion to the white dwarf G261-43 — B. Zuckerman, E. E. Becklin, B. A. Macintosh, and T. Bida; **113** (2), 764-6.
- X-ray emission from the host clusters of powerful AGN — Patrick B. Hall, Erica Ellingson, and Richard F. Green; **113** (4), 1179-96.
- Extreme Ultraviolet Explorer* optical identification campaign. III. A Southern Hemisphere sample of active late-type stars and white dwarfs — Nahide Craig, Damian J. Christian, Jean Dupuis, and Bryce A. Roberts; **114** (1), 244-57.
- HST* synthetic spectral analysis of U Gem in early and late quiescence: A heated white dwarf and accretion belt? — F. H. Cheng, E. M. Sion, Keith Horne, I. Hubeny, M. Huang, and S. D. Vrtillek; **114** (3), 1165-9.
- A metallicity lower limit in the BE Ursae Majoris sdO/DAO atmosphere from *EUV* observations — Donald H. Ferguson, Stefan Haas, Ralf Napiwotzki, James Liebert, and Richard W. Tweedy; **114** (3), 1227-9.
- Faint sources in the *EUV* survey. II. Identification of two white dwarfs and four late-type active stars — Stéphane Vennes, Eric Korpela, and Stuart Bowyer; **114** (4), 1567-72.
- The final helium flash object Sakurai: Photometric behavior and physical characteristics — Hilmar W. Duerbeck, Stefano Benetti, Alfred Gautschy, Arnout M. van Genderen, Ciska Kemper, William Liller, and Tom Thomas; **114** (4), 1657-65.
- The evolution of the final helium shell flash star V605 Aquilae, from 1917 to 1997 — Geoffrey C. Clayton and Orsola De Marco; **114** (6), 2679-85.
- Interstellar Matter, Nebulae**
- Interstellar Matter (Molecular Clouds, Reflection Nebulae, etc.), Star Formation**
- A search for thermal infrared emission from three silhouette disks in Orion — T. L. Hayward and Mark J. McCaughrean; **113** (1), 346-53.
- An optical study of the circumstellar environment around the Crab Nebula — Robert A. Fesen, J. Michael Shull, and Alan P. Hurford; **113** (1), 354-63.
- The OMC-1 molecular hydrogen outflow as a fragmented stellar wind bubble — Mark J. McCaughrean and Mordecai-Mark Mac Low; **113** (1), 391-400.
- Warm neutral gas at redshift $z=3.4$ — F. H. Briggs, E. Brinks, and A. M. Wolfe; **113** (2), 467-73.
- Constraining the molecular gas reservoir associated with the protogalaxy candidate MS1512-cB58 — David T. Frayer, Padeli P. Papadopoulos, Jill Bechtold, E. R. Seaquist, H. K. C. Yee, and N. Z. Scoville; **113** (2), 562-8.
- Galactic drips and how to stop them — William G. Mathews; **113** (2), 755-63.
- Infrared polarimetry of star-forming regions: The Serpens cloud core — Hisato Sogawa, Motohide Tamura, Ian Gatley, and K. M. Merrill; **113** (3), 1057-65.
- The infrared Ca II triplet as a metallicity indicator of stellar populations — T. P. Idiart, F. Thévenin, and J. A. de Freitas Pacheco; **113** (3), 1066-72.
- A search for methanol masers in star-forming regions in the outer galaxy — David A. Lyder and John Galt; **113** (4), 1310-4.
- Thermal radio sources in Bok globules — Miguel C. Moreira, João L. Yun, Roberto Vázquez, and José M. Torrelles; **113** (4), 1371-4.
- The influence of the photoionizing radiation spectrum on metal-line ratios in Ly α forest clouds — Mark L. Giroux and J. Michael Shull; **113** (5), 1505-13.
- UGC 12732: A disk galaxy lacking high-velocity clouds — Eric Schulman, Elias Brinks, Joel N. Bregman, and Morton S. Roberts; **113** (5), 1559-68.
- Is there molecular gas in the H I cloud between NGC 4472 and UGC 7636? — Jimmy A. Irwin, David T. Frayer, and Craig L. Sarazin; **113** (5), 1580-4.
- Obtaining high precision H I fluxes for galaxies — Liese van Zee, Ronald J. Maddalena, Martha P. Haynes, David E. Hogg, and Morton S. Roberts; **113** (5), 1638-47.
- Hot interstellar gas in the irregular galaxy NGC 4449 — Dominik J. Bomans, You-Hua Chu, and Ulrich Hopp; **113** (5), 1678-90.
- A near-infrared imaging survey of NGC 2282 — Donald J. Horner, Elizabeth A. Lada, and Charles J. Lada; **113** (5), 1788-98.
- Rotation of starless Bok globules — B. D. Kane and D. P. Clemens; **113** (5), 1799-814.
- Absorption by highly ionized interstellar gas along extragalactic and Galactic sight lines — Blair D. Savage, Kenneth R. Sembach, and Limin Lu; **113** (6), 2158-85.
- A correlation between Balmer H α emission and infrared cirrus — Peter R. McCullough; **113** (6), 2186-92.
- The extinction law in an occulting galaxy — Andreas A. Berlind, A. C. Quillen, R. W. Pogge, and K. Sellgren; **114** (1), 107-14.
- Properties of the Monoceros R2 stellar cluster — John M. Carpenter, Michael R. Meyer, Catherine Dougados, Stephen E. Strom, and Lynne A. Hillenbrand; **114** (1), 198-221.
- The bipolar optical outflow associated with PV Cephei — Mercedes Gomez, Scott J. Kenyon, and Barbara A. Whitney; **114** (1), 265-71.
- The NGC 281 West Cluster. I. Star formation in photoevaporating clumps — S. T. Megeath and T. L. Wilson; **114** (3), 1106-20.
- Spatial correlation between H α emission and infrared cirrus — A. Kogut; **114** (3), 1127-31.
- Ultraviolet interstellar linear polarization. IV. Cross-calibration between the Wisconsin Ultraviolet Photo-Polarimeter Experiment and the Faint Object Spectrograph — Geoffrey C. Clayton, Michael J. Wolff, R. G. Allen, B. L. Babler, M. R. Meade, Kenneth H. Nordsieck, C. M. Anderson, P. G. Martin, and D. C. B. Whittet; **114** (3), 1132-7.
- Erratum: "Properties of the Monoceros R2 stellar cluster" [*Astron. J.* **114**, 198 (1997)] — John M. Carpenter, Michael R. Meyer, Catherine Dougados, Stephen E. Strom, and Lynne A. Hillenbrand; **114** (3), 1275(E).
- Binary search among x-ray active stars south of the Taurus molecular cloud — Michael F. Sterzik, Richard H. Durisen, Wolfgang Brandner, John Jurcevic, and R. Kent Honeycutt; **114** (4), 1555-66.
- A renewed search for water maser emission from Mira variables — B. M. Lewis; **114** (4), 1602-6.

Neutral hydrogen distributions and kinematics of giant low surface brightness disk galaxies — T. E. Pickering, C. D. Impey, J. H. van Gorkom, and G. D. Bothun; **114** (5), 1858-82.

On the distribution of dust in the Large Magellanic Cloud — Jason Harris, Dennis Zaritsky, and Ian Thompson; **114** (5), 1933-44.

Deep infrared imaging of the R Coronae Australis cloud core — Bruce A. Wilking, Mark J. McCaughrean, Michael G. Burton, Timothy Giblin, John T. Rayner, and Hans Zinnecker; **114** (5), 2029-42.

A computerized model of large-scale visual interstellar extinction — Jon Hakkila, Jeannette M. Myers, Brett J. Stidham, and Dieter H. Hartmann; **114** (5), 2043-53.

Continuation of a survey of OH (1720 MHz) maser emission towards supernova remnants — A. J. Green, D. A. Frail, W. M. Goss, and R. Otrupcek; **114** (5), 2058-67.

Nuclear rotation curves of galaxies in the CO-line emission — Yoshiaki Sofue, Yoshinori Tutui, Mareki Honma, and Akihiko Tomita; **114** (6), 2428-36.

Extraplanar dust in the edge-on spiral NGC 891 — J. Christopher Howk and Blair D. Savage; **114** (6), 2463-78.

H II regions, Emission Nebulae

HST/GHRS observations of the compact slow ejecta of Eta Carinae — Kris Davidson, Dennis Ebbets, Sverneric Johansson, Jon A. Morse, Frederick W. Hamann, Bruce Balick, Roberta M. Humphreys, Gerd Weigelt, and Adam Frank; **113** (1), 335-45.

UBVR and *H α* photometry of H II regions and OB associations in galaxies: A test for a variable IMF — Fabio Bresolin and Robert C. Kennicutt, Jr.; **113** (3), 975-80.

Reddening study of a bright high galactic latitude nebula: LBN 434 — Eric G. Hintz, Peter W. A. Røming, J. Ward Moody, and Kristen A. Miller; **113** (4), 1375-8.

On the stellar population and star-forming history of the Orion Nebula Cluster — Lynne A. Hillenbrand; **113** (5), 1733-68.

IRAS sources associated with small nebulae in star forming regions: Optical and near infrared images — Mauricio Tapia, Paolo Persi, Joaquín Bohigas, and Marco Ferrari-Toniolo; **113** (5), 1769-87.

IC 1590, a young cluster embedded in the nebulosity of NGC 281 — Harry H. Gutter and David G. Turner; **113** (6), 2116-29.

A correlation between Balmer *H α* emission and infrared cirrus — Peter R. McCullough; **113** (6), 2186-92.

Abundance determinations in emission-line objects: The revised Emission Line Chart — J. B. Kingdon and R. E. Williams; **113** (6), 2193-9.

Nebular abundance errors — Jason Alexander and Bruce Balick; **114** (2), 713-21.

The NGC 281 West Cluster. I. Star formation in photoevaporating clumps — S. T. Megeath and T. L. Wilson; **114** (3), 1106-20.

Kinematics of the Hourglass region in the Lagoon nebula — A. Chakraborty and B. G. Anandarao; **114** (4), 1576-83.

High velocity features in the Orion Nebula — C. R. O'Dell, Patrick Hartigan, John Bally, and Jon A. Morse; **114** (5), 2016-28.

Infrared Sources

A search for thermal infrared emission from three silhouette disks in Orion — T. L. Hayward and Mark J. McCaughrean; **113** (1), 346-53.

The infrared environment of the Wolf-Rayet star WR 134 — Serge Pineault and Susan Terebey; **113** (1), 433-8.

Massive star formation along the Hubble sequence — Nicholas A. Devereux and Salman Hameed; **113** (2), 599-608.

Infrared point sources identified by lunar occultation observations — W. P. Chen and M. Simon; **113** (2), 752-4.

Infrared polarimetry of star-forming regions: The Serpens cloud core — Hisato Sogawa, Motohide Tamura, Ian Gatley, and K. M. Merrill; **113** (3), 1057-65.

Absolute flux distributions of solar analogs from the UV to the near-IR — Luis Colina and Ralph Bohlin; **113** (3), 1138-44.

Identification of *IRAS* sources in the outer disk of the Galaxy — B. W. Jiang, S. Deguchi, J. Y. Hu, T. Yamashita, E. Nishihara, S. Matsumoto, and Y. Nakada; **113** (4), 1315-27.

IRAS sources associated with small nebulae in star forming regions: Optical and near infrared images — Mauricio Tapia, Paolo Persi, Joaquín Bohigas, and Marco Ferrari-Toniolo; **113** (5), 1769-87.

A near-infrared imaging survey of NGC 2282 — Donald J. Horner, Elizabeth A. Lada, and Charles J. Lada; **113** (5), 1788-98.

A correlation between Balmer *H α* emission and infrared cirrus — Peter R. McCullough; **113** (6), 2186-92.

The bipolar optical outflow associated with PV Cephei — Mercedes Gomez, Scott J. Kenyon, and Barbara A. Whitney; **114** (1), 265-71.

Infrared imaging of HH 25/26 and HH 42/128 — Richard D. Schwartz, Michael G. Burton, and Joseph Herrmann; **114** (1), 272-9.

The infrared nucleus of the Wolf-Rayet galaxy Henize 2-10 — S. C. Beck, D. M. Kelly, and J. H. Lacy; **114** (2), 585-91.

The giant branches of open and globular clusters in the infrared as metallicity indicators: A comparison with theory — Glenn P. Tiede, Paul Martini, and Jay A. Frogel; **114** (2), 694-8.

Spatial distribution of far-infrared emission in spiral galaxies. I. Relation with radio continuum emission — Y. D. Mayya and T. N. Rengarajan; **114** (3), 932-45.

Spatial distribution of far-infrared emission in spiral galaxies. II. Heating sources and gas-to-dust ratio — Y. D. Mayya and T. N. Rengarajan; **114** (3), 946-57.

K-band observations of barred spiral galaxies — Michael W. Regan and Debra Meloy Elmegreen; **114** (3), 965-75.

A survey of optical and near-infrared jets in Taurus embedded sources — Mercedes Gomez, Barbara A. Whitney, and Scott J. Kenyon; **114** (3), 1138-53.

IRAS 17395-0841: A new young low excitation planetary nebula — Jyotsna Vijapurkar, John S. Drilling, and M. Parthasarathy; **114** (4), 1573-5.

Deep infrared imaging of the R Coronae Australis cloud core — Bruce A. Wilking, Mark J. McCaughrean, Michael G. Burton, Timothy Giblin, John T. Rayner, and Hans Zinnecker; **114** (5), 2029-42.

An IR-selected galaxy cluster at $z=1.27$ — S. A. Stanford, Richard Elston, Peter R. Eisenhardt, Hyron Spinrad, Daniel Stern, and Arjun Dey; **114** (6), 2232-9.

Mid-infrared hydrogen recombination line emission from the maser star MWC 349A — Howard A. Smith, V. Strelitski, J. W. Miles, D. M. Kelly, and J. H. Lacy; **114** (6), 2658-63.

Infrared spectroscopy of Herbig-Haro energy sources — Bo Reipurth and Colin Aspin; **114** (6), 2700-7.

Planetary Nebulae

X-ray emission from the host clusters of powerful AGN — Patrick B. Hall, Erica Ellingson, and Richard F. Green; **113** (4), 1179-96.

High-resolution imagery of BD +30°3639 and its dusty halo — J. Patrick Harrington, Nancy Joanne Lane, Stephen M. White, and Kazimierz J. Borkowski; **113** (6), 2147-57.

Nebular abundance errors — Jason Alexander and Bruce Balick; **114** (2), 713-21.

IRAS 17395-0841: A new young low excitation planetary nebula — Jyotsna Vijapurkar, John S. Drilling, and M. Parthasarathy; **114** (4), 1573-5.

The final helium flash object Sakurai: Photometric behavior and physical characteristics — Hilmar W. Duerbeck, Stefano Benetti, Alfred Gautschi, Arnout M. van Genderen, Ciska Kemper, William Liller, and Tom Thomas; **114** (4), 1657-65.

Planetary nebulae in the globular clusters Pal 6 and NGC 6441 — George H. Jacoby, Jon A. Morse, L. Kellar Fullton, K. B. Kwitter, and R. B. C. Henry; **114** (6), 2611-25.

Radio Sources, X-ray Sources; Cosmic Radiation

Radio Sources (Pulsars, Surveys, etc.)

- Constraints on radio source evolution from the compact steep spectrum and GHz peaked spectrum radio sources — Christopher P. O'Dea and Stefi A. Baum; **113** (1), 148-61.
- Thermal radio sources in Bok globules — Miguel C. Moreira, João L. Yun, Roberto Vázquez, and José M. Torrelles; **113** (4), 1371-4.
- Spatial distribution of far-infrared emission in spiral galaxies. I. Relation with radio continuum emission — Y. D. Mayya and T. N. Rengarajan; **114** (3), 932-45.
- Space velocities of southern globular clusters. I. Astrometric techniques and first results — Dana I. Dinescu, Terrence M. Girard, William F. van Altena, René A. Méndez, and Carlos E. López; **114** (3), 1014-29.
- Radio counterparts of unidentified EGRET gamma-ray sources — A. C. Zook, W. J. Giammona, S. C. Unwin, A. E. Wehrle, H. Teräsraanta, E. Valtaoja, M. R. Kidger, and J. N. Gonzalez-Perez; **114** (3), 1121-6.
- Polarimetry, peculiar mode and x-ray alignment of PSR B1821-24 — D. C. Backer and S. Sallmen; **114** (4), 1539-43.
- A renewed search for water maser emission from Mira variables — B. M. Lewis; **114** (4), 1602-6.
- A 5-GHz southern hemisphere VLBI survey of compact radio sources. I. — Z.-Q. Shen, T.-S. Wan, J. M. Moran, D. L. Jauncey, J. E. Reynolds, A. K. Tzioumis, R. G. Gough, R. H. Ferris, M. W. Sinclair, D.-R. Jiang, X.-Y. Hong, S.-G. Liang, M. E. Costa, S. J. Tingay, P. M. McCulloch, J. E. J. Lovell, E. A. King, G. D. Nicolson, D. W. Murphy, D. L. Meier, T. D. van Ommen, P. G. Edwards, and G. L. White; **114** (5), 1999-2015.

UV Sources, X-ray Sources, X-ray Background

- A revised orbital period for M33 X-7 — Daniel T. Larson and Eric Schulman; **113** (2), 618-23.
- X-ray surveys and the post-T Tauri problem — César Briceño, Lee W. Hartmann, John R. Stauffer, Marc Gagné, Robert A. Stern, and Jean-Pierre Caillault; **113** (2), 740-51.
- UIT: Ultraviolet observations of the Small Magellanic Cloud — Robert H. Cornett, Michael R. Greason, Jesse K. Hill, Joel Wm. Parker, William H. Waller, Ralph C. Bohlin, Kwang-Peng Cheng, Susan G. Neff, Robert W. O'Connell, Morton S. Roberts, Andrew M. Smith, and Theodore P. Stecher; **113** (3), 1011-21.
- Absolute flux distributions of solar analogs from the UV to the near-IR — Luis Colina and Ralph Bohlin; **113** (3), 1138-44.
- X-ray emission from the host clusters of powerful AGN — Patrick B. Hall, Erica Ellingson, and Richard F. Green; **113** (4), 1179-96.
- The complex x-ray spectra of M82 and NGC 253 — A. Ptak, P. Serlemitsos, T. Yaqoob, R. Mushotzky, and T. Tsuru; **113** (4), 1286-95.
- A ROSAT PSPC study of NGC 55 — Eric M. Schlegel, Paul Barrett, and Kulinder Pal Singh; **113** (4), 1296-309.
- On "A new stellar nursery in the Southern Cross" [Astron. J., **112**, 693 (1996)] — Eric D. Feigelson and Warrick A. Lawson; **113** (6), 2130-3.
- A survey of the Einstein IPC database for extended x-ray sources — B. R. Oppenheimer, D. J. Helfand, and E. J. Gaidos; **113** (6), 2134-46.
- The mass distribution of the most luminous x-ray cluster RXJ 1347.5-1145 from gravitational lensing — Philippe Fischer and J. Anthony Tyson; **114** (1), 14-24.
- High energy transient events from Cygnus X-1 and Scorpius X-1: Evidence for a source of galactic gamma-ray bursts — Paul A. Mason, Bernard J. McNamara, and Thomas E. Harrison; **114** (1), 238-43.
- The nature of the x-ray point source in the bar of NGC 6822 — Paul B. Eskridge and Raymond E. White, III; **114** (3), 988-95.
- Ultraviolet interstellar linear polarization. IV. Cross-calibration between the Wisconsin Ultraviolet Photo-Polarimeter Experiment and the

Faint Object Spectrograph — Geoffrey C. Clayton, Michael J. Wolff, R. G. Allen, B. L. Babler, M. R. Meade, Kenneth H. Nordsieck, C. M. Anderson, P. G. Martin, and D. C. B. Whittet; **114** (3), 1132-7.

- Discovery of a redshift 0.8 cluster of galaxies in the ROSAT North Ecliptic Pole survey — J. P. Henry, I. M. Gioia, C. R. Mullis, D. I. Clowe, G. A. Luppino, H. Boehringer, U. G. Briel, W. Voges, and J. P. Huchra; **114** (4), 1293-6.
- Optical identification of joint EUVE and ROSAT detections in the southern hemisphere: Soft active galactic nuclei — Nahide Craig and Antonella Fruscione; **114** (4), 1356-64.
- X-ray sources in regions of star formation. VI. The R CrA association as viewed by EINSTEIN — Frederick M. Walter, Frederick J. Vrba, Scott J. Wolk, Robert D. Mathieu, and Ralph Neuhauser; **114** (4), 1544-54.
- Binary search among x-ray active stars south of the Taurus molecular cloud — Michael F. Sterzik, Richard H. Durisen, Wolfgang Brandner, John Jurcevic, and R. Kent Honeycutt; **114** (4), 1555-66.
- Faint sources in the EUVE survey. II. Identification of two white dwarfs and four late-type active stars — Stéphane Vennes, Eric Korpela, and Stuart Bowyer; **114** (4), 1567-72.
- Young cool stars in the solar neighborhood — Michael F. Sterzik and Jürgen H. M. M. Schmitt; **114** (4), 1673-8.
- X-ray observations of distant optically selected clusters — B. P. Holden, A. K. Romer, R. C. Nichol, and M. P. Ulmer; **114** (5), 1701-10.
- Ultraviolet imaging of the globular cluster 47 Tucanae — Robert W. O'Connell, Ben Dorman, Ronak Y. Shah, Robert T. Rood, Wayne B. Landsman, Adolf N. Witt, Ralph C. Bohlin, Susan G. Neff, Morton S. Roberts, Andrew M. Smith, and Theodore P. Stecher; **114** (5), 1982-91.

Gamma-ray Sources, Gamma-ray Background

High energy transient events from Cygnus X-1 and Scorpius X-1: Evidence for a source of galactic gamma-ray bursts — Paul A. Mason, Bernard J. McNamara, and Thomas E. Harrison; **114** (1), 238-43.

The statistical significance of quasar identifications of EGRET sources — Brian Punsly; **114** (2), 544-53.

Radio counterparts of unidentified EGRET gamma-ray sources — A. C. Zook, W. J. Giammona, S. C. Unwin, A. E. Wehrle, H. Teräsraanta, E. Valtaoja, M. R. Kidger, and J. N. Gonzalez-Perez; **114** (3), 1121-6.

Stellar Systems, Galaxy, Extragalactic Objects, Cosmology

Stellar Systems (Kinematics, Dynamics)

- Kinematics and chemical properties of the Galaxy in the vicinity of the North Galactic Pole — B. Chen; **113** (1), 311-20.
- A new survey of stellar kinematics in the central Milky Way — Glenn P. Tiede and D. M. Terndrup; **113** (1), 321-34.
- Kinematic profiles of S0 galaxies — David Fisher; **113** (3), 950-74.
- Fabry-Perot observations of globular clusters. III. M15 — Karl Gebhardt, Carlton Pryor, T. B. Williams, James E. Hesser, and Peter B. Stetson; **113** (3), 1026-38.
- The stellar dynamics of M87 — David Merritt and Siang Peng Oh; **113** (4), 1279-85.
- A dynamical analysis of the H II galaxy II Zwicky 33 and its low surface brightness companion — Fabian Walter, Elias Brinks, Neb Duric, and Ulrich Klein; **113** (6), 2031-45.
- Recovering velocity distributions via penalized likelihood — David Merritt; **114** (1), 228-37.
- The stellar dynamics of ω Centauri — David Merritt, Georges Meylan, and Michel Mayor; **114** (3), 1074-86.
- Radial velocities of southern stars obtained with the photoelectric scanner CORAVEL. VIII. Observations of 471 giant stars in ω Centauri — M. Mayor, G. Meylan, S. Udry, A. Duquenois, J. Andersen, B. Nordström, M. Imbert, E. Maurice, L. Prévot, A. Ardeberg, and H. Lindgren; **114** (3), 1087-97.

Structural components of NGC 5850 — Mercedes Prieto, S. T. Gottesman, Jose-Alfonso L. Aguerrí, and Antonia-Maria Varela; **114** (4), 1413-26.

Periodic orbits in triaxial galaxies with weak cusps — Tema Fridman and David Merritt; **114** (4), 1479-87.

Mass segregation and equipartition of energy in two globular clusters with central density cusps — Craig Sosin; **114** (4), 1517-30.

Nuclear rotation curves of galaxies in the CO-line emission — Yoshiaki Sofue, Yoshinori Tutui, Mareki Honma, and Akihiko Tomita; **114** (6), 2428-36.

Stellar Associations

Ultraviolet photometry of stars in the compact cluster R136 in the Large Magellanic Cloud — Deidre A. Hunter, William D. Vacca, Philip Massey, Roger Lynds, and Earl J. O'Neil; **113** (5), 1691-9.

On the stellar population and star-forming history of the Orion Nebula Cluster — Lynne A. Hillenbrand; **113** (5), 1733-68.

Supernova remnants in OB associations — You-Hua Chu; **113** (5), 1815-32.

X-ray sources in regions of star formation. VI. The R CrA association as viewed by *EINSTEIN* — Frederick M. Walter, Frederick J. Vrba, Scott J. Wolk, Robert D. Mathieu, and Ralph Neuhauser; **114** (4), 1544-54.

UBVR *H α* photometry of the young open cluster NGC 2264 — Hwankyung Sung, Michael S. Bessell, and See-Woo Lee; **114** (6), 2644-57.

Open Clusters

Star clusters driven to form by strong collisions between gas clouds in high-velocity random motion — Mitsuaki Fujimoto and Yasuki Kumai; **113** (1), 249-63.

Lithium in very low-mass stars in the Pleiades — B. R. Oppenheimer, G. Basri, T. Nakajima, and S. R. Kulkarni; **113** (1), 296-305.

Isotopic carbon abundances in M71 — Michael M. Bristle, Verne V. Smith, Jeremy King, and David L. Lambert; **113** (1), 306-10.

A technique for simultaneous determination of the metallicity and reddening of old open clusters using (*V*, *B* - *V*) color-magnitude diagrams — H. Noriega-Mendoza and A. Ruelas-Mayorga; **113** (2), 722-8.

UBV CCD photometry of the remote old open cluster AM-2 — Myung Gyoong Lee; **113** (2), 729-39.

Spectral classification of "photometric subgiants" in open clusters — R. L. Sears and James R. Sowell; **113** (3), 1039-44.

The age of NGC 3680 and a test of convective overshoot — Vera Kozhurina-Platais, Pierre Demarque, Imants Platais, Jerome A. Orosz, and Sydney Barnes; **113** (3), 1045-56.

CCD *UBV* photometry of the young open cluster NGC 3766 — André Moitinho, Emilio J. Alfaro, João Lin Yun, and Randy L. Phelps; **113** (4), 1359-70.

Ultraviolet photometry of stars in the compact cluster R136 in the Large Magellanic Cloud — Deidre A. Hunter, William D. Vacca, Philip Massey, Roger Lynds, and Earl J. O'Neil; **113** (5), 1691-9.

Deep CCD photometry of old open clusters — Marc Kassiss, Kenneth A. Janes, Eileen D. Friel, and Randy L. Phelps; **113** (5), 1723-32.

On the stellar population and star-forming history of the Orion Nebula Cluster — Lynne A. Hillenbrand; **113** (5), 1733-68.

A near-infrared imaging survey of NGC 2282 — Donald J. Horner, Elizabeth A. Lada, and Charles J. Lada; **113** (5), 1788-98.

Galactic clusters with associated Cepheid variables. V. The case of SU Cygni — David G. Turner, Georgi I. Mandushev, and Gary A. Welch; **113** (6), 2104-15.

IC 1590, a young cluster embedded in the nebulosity of NGC 281 — Harry H. Guetter and David G. Turner; **113** (6), 2116-29.

Properties of the Monoceros R2 stellar cluster — John M. Carpenter, Michael R. Meyer, Catherine Dougados, Stephen E. Strom, and Lynne A. Hillenbrand; **114** (1), 198-221.

Cross identification in the region of cluster NGC 1502 — Anthony J. Weitenbeck; **114** (1), 222-7.

Spectrophotometry of 237 stars in 7 open clusters — Lori Clampitt and David Burstein; **114** (2), 699-712.

Rotation periods for stars in NGC 2264 — Kristin E. Kearns, Nancy L. Eaton, William Herbst, and Christopher J. Mazzurco; **114** (3), 1098-105.

Erratum: "Properties of the Monoceros R2 stellar cluster" [Astron. J. **114**, 198 (1997)] — John M. Carpenter, Michael R. Meyer, Catherine Dougados, Stephen E. Strom, and Lynne A. Hillenbrand; **114** (3), 1275(E).

Low-mass binaries in the Hyades: A scarcity of brown dwarfs — I. Neill Reid and John E. Gizis; **114** (5), 1992-8.

Some revised observational constraints on the formation and evolution of the galactic disk — Bruce A. Twarog, Keith M. Ashman, and Barbara J. Anthony-Twarog; **114** (6), 2556-85.

UBVR *H α* photometry of the young open cluster NGC 2264 — Hwankyung Sung, Michael S. Bessell, and See-Woo Lee; **114** (6), 2644-57.

Globular Clusters

Star clusters driven to form by strong collisions between gas clouds in high-velocity random motion — Mitsuaki Fujimoto and Yasuki Kumai; **113** (1), 249-63.

Reddenings, metallicities, and possible abundance anomalies in young globular clusters — Ata Sarajedini and Andrew Layden; **113** (1), 264-78.

Proton capture chains in globular cluster stars. II. Oxygen, sodium, magnesium, and aluminum abundances in M13 giants brighter than the horizontal branch — Robert P. Kraft, Christopher Sneden, Graeme H. Smith, Matthew D. Shetrone, G. E. Langer, and Catherine A. Pilachowski; **113** (1), 279-95.

Globular cluster photometry with the *Hubble Space Telescope*. VI. WF/PC-I observations of the stellar populations in the core of M13 (NGC 6205) — Randi L. Cohen, Puragra Guhathakurta, Brian Yanny, Donald P. Schneider, and John N. Bahcall; **113** (2), 669-81.

Palomar 14: A young globular cluster in the outer Galactic halo — Ata Sarajedini; **113** (2), 682-7.

IC 1257: A new globular cluster in the Galactic halo — William E. Harris, Randy L. Phelps, Barry F. Madore, Olga Pevunova, Brian A. Skiff, Czernic Crute, Barbara Wilson, and Brent A. Archinal; **113** (2), 688-91.

Stellar photometry of the globular cluster NGC 6229. I. Data reduction and morphology of the brighter part of the CMD — J. Borissova, M. Catelan, N. Spassova, and A. V. Sweigart; **113** (2), 692-705.

Horizontal Branch morphology in Galactic globular clusters: Dense environment is "a" second parameter — R. Buonanno, C. Corsi, M. Bellazzini, F. R. Ferraro, and F. Fusi Pecci; **113** (2), 706-12.

CCD Strömgren photometry of young reddened clusters — Antonio J. Delgado, Emilio J. Alfaro, and Jesús Cabrera-Caño; **113** (2), 713-21.

Hubble Space Telescope imaging of the globular cluster system around NGC 5846 — Duncan A. Forbes, Jean P. Brodie, and John Huchra; **113** (3), 887-94.

The globular cluster systems of NGC 1400 and NGC 1407 — Kathryn M. Perrett, David A. Hanes, Steven T. Butterworth, JJ Kavelaars, Doug Geisler, and William E. Harris; **113** (3), 895-904.

Fabry-Perot observations of globular clusters. III. M15 — Karl Gebhardt, Carlton Pryor, T. B. Williams, James E. Hesser, and Peter B. Stetson; **113** (3), 1026-38.

Deep *HST*/FOC imaging of the central density cusp of the globular cluster M15 — Craig Sosin and Ivan R. King; **113** (4), 1328-44.

A comparison of deep *HST* luminosity functions of four globular clusters — Giampaolo Piotto, Adrienne M. Cool, and Ivan R. King; **113** (4), 1345-52.

Blue horizontal branch stars in M92 — J. G. Cohen and J. K. McCarthy; **113** (4), 1353-8.

- Distance to the Coma Cluster and a value for H_0 inferred from globular clusters in IC 4051 — William A. Baum, Mark Hammergren, Bjarne Thomsen, Edward J. Groth, Sandra M. Faber, Carl J. Grillmair, and Edward A. Ajhar; **113** (5), 1483-94.
- Globular clusters in the Sombbrero galaxy (NGC 4594) — Duncan A. Forbes, Carl J. Grillmair, and R. Chris Smith; **113** (5), 1648-51.
- On the origin of globular clusters in elliptical and cD galaxies — Duncan A. Forbes, Jean P. Brodie, and Carl J. Grillmair; **113** (5), 1652-65.
- Ultraviolet color-magnitude diagram studies of intermediate age Large Magellanic Cloud star clusters. I. NGC 1783 — Andrew A. Cole, John S. Gallagher, III, Wendy L. Freedman, and Randy Phelps; **113** (5), 1700-10.
- The structure of the light curves of the RR Lyrae variables in the Oosterhoff type I cluster NGC 6171 — Christine M. Clement and Ian Shelton; **113** (5), 1711-22.
- Younger and brighter—New distances to globular clusters based on *Hipparcos* parallax measurements of local subdwarfs — I. Neill Reid; **114** (1), 161-79.
- High-resolution CCD spectra of stars in globular clusters. IX. The "young" clusters Ruprecht 106 and Pal 12 — Jeffrey A. Brown, George Wallerstein, and Daniel Zucker; **114** (1), 180-8.
- The main sequence of the globular cluster M4=NGC 6121 from CCD NTT photometry — G. Alcaïno, W. Liller, F. Alvarado, V. Kravtsov, A. Ipatov, N. Samus, and O. Smirnov; **114** (1), 189-97.
- Abundance analyses of type II Cepheids in globular clusters — Guillermo Gonzalez and David L. Lambert; **114** (1), 341-51.
- Globular clusters in 19 northern Abell clusters — John P. Blakeslee, John L. Tonry, and Mark R. Metzger; **114** (2), 482-506.
- The giant branches of open and globular clusters in the infrared as metallicity indicators: A comparison with theory — Glenn P. Tiede, Paul Martini, and Jay A. Frogel; **114** (2), 694-8.
- Space velocities of southern globular clusters. I. Astrometric techniques and first results — Dana I. Dinescu, Terrence M. Girard, William F. van Altena, René A. Méndez, and Carlos E. López; **114** (3), 1014-29.
- NGC 2419, M92, and the age gradient in the galactic halo — William E. Harris, Roger A. Bell, Don A. Vandenberg, Michael Bolte, Peter B. Stetson, James E. Hesser, Sidney van den Bergh, Howard E. Bond, Gregory G. Fahlman, and Harvey B. Richer; **114** (3), 1030-42.
- Unveiling Palomar 2: The most obscure globular cluster in the outer halo — William E. Harris, Patrick R. Durrell, Glen R. Petitpas, Tracy M. Webb, and Sean C. Woodworth; **114** (3), 1043-50.
- CN and CH Band Strengths of 283 47 Tucanae Giants — Michael M. Briley; **114** (3), 1051-9.
- On the blue straggler population of the globular cluster M55 — Georgi I. Mandushev, Gregory G. Fahlman, Harvey B. Richer, and Ian B. Thompson; **114** (3), 1060-6.
- Multicolor NTT CCD photometry of the post-core-collapse globular cluster NGC 6397 — G. Alcaïno, W. Liller, F. Alvarado, V. Kravtsov, A. Ipatov, N. Samus, and O. Smirnov; **114** (3), 1067-73.
- The stellar dynamics of ω Centauri — David Merritt, Georges Meylan, and Michel Mayor; **114** (3), 1074-86.
- Radial velocities of southern stars obtained with the photoelectric scanner CORAVEL. VIII. Observations of 471 giant stars in ω Centauri — M. Mayor, G. Meylan, S. Udry, A. Duquenoey, J. Andersen, B. Nordström, M. Imbert, E. Maurice, L. Prévot, A. Ardeberg, and H. Lindgren; **114** (3), 1087-97.
- Global relationships among the physical properties of stellar systems — David Burstein, Ralf Bender, S. M. Faber, and R. Nolthenius; **114** (4), 1365-92.
- Fornax globular cluster 3: New color-magnitude diagrams for cluster and surrounding field — Edgar O. Smith, R. Michael Rich, and James D. Neill; **114** (4), 1471-8.
- Deep *HST* V- and I-band observations of two globular clusters in the halo of M31 — Stephen Holland, Gregory G. Fahlman, and Harvey B. Richer; **114** (4), 1488-507.
- Mass segregation and equipartition of energy in two globular clusters with central density cusps — Craig Sosin; **114** (4), 1517-30.
- Matching stellar population models to bulge globular clusters — G. Bruzual A., B. Barbuy, S. Ortolani, E. Bica, F. Cuisinier, T. Lejeune, and R. P. Schiavon; **114** (4), 1531-8.
- Hubble Space Telescope* observations of two dynamically young elliptical galaxies — Bradley C. Whitmore, Bryan W. Miller, François Schweizer, and S. Michael Fall; **114** (5), 1797-823.
- Young star clusters in the dwarf irregular galaxy, UGC 7636, interacting with the giant elliptical galaxy NGC 4472 — Myung Gyoong Lee, Eunhyeuk Kim, and Doug Geisler; **114** (5), 1824-33.
- A search for old star clusters in the Large Magellanic Cloud — Doug Geisler, Eduardo Bica, Horacio Dottori, Juan J. Clariá, Andrés E. Piatti, and João F. C. Santos, Jr.; **114** (5), 1920-32.
- Far-Ultraviolet Imaging of the Large Magellanic Cloud populous cluster NGC 1978 with WFPC2 — Andrew A. Cole, Jeremy R. Mould, John S. Gallagher, III, John T. Clarke, John T. Trauger, Gilda E. Ballester, Christopher J. Burrows, Stefano Casertano, David Crisp, Richard Griffiths, J. Jeff Hester, John G. Hoessel, Jon A. Holtzman, Paul A. Scowen, Karl R. Stapelfeldt, and James A. Westphal; **114** (5), 1945-50.
- Star-to-star abundance variations among bright giants in the metal-poor globular cluster M15 — Christopher Sneden, Robert P. Kraft, Matthew D. Shetrone, Graeme H. Smith, G. E. Langer, and Charles F. Prosser; **114** (5), 1964-81.
- Ultraviolet imaging of the globular cluster 47 Tucanae — Robert W. O'Connell, Ben Dorman, Ronak Y. Shah, Robert T. Rood, Wayne B. Landsman, Adolf N. Witt, Ralph C. Bohlin, Susan G. Neff, Morton S. Roberts, Andrew M. Smith, and Theodore P. Stecher; **114** (5), 1982-91.
- The star cluster system of the merger remnant NGC 7252 — Bryan W. Miller, Bradley C. Whitmore, François Schweizer, and S. Michael Fall; **114** (6), 2381-401.
- Distance-independent absolute globular cluster ages from the color distribution of subgiant-branch stars — Peter A. Bergbusch and Don A. Vandenberg; **114** (6), 2604-10.
- Planetary nebulae in the globular clusters Pal 6 and NGC 6441 — George H. Jacoby, Jon A. Morse, L. Kellar Fullton, K. B. Kwitter, and R. B. C. Henry; **114** (6), 2611-25.
- Multicolor NTT photometry of the anomalous globular cluster NGC 288 — Gonzalo Alcaïno, William Liller, and Franklin Alvarado; **114** (6), 2626-37.
- Multicolor CCD photometry of the poorly studied globular cluster NGC 6541 — G. Alcaïno, W. Liller, F. Alvarado, V. Kravtsov, A. Ipatov, and N. Samus; **114** (6), 2638-43.

Galaxy

- Kinematics and chemical properties of the Galaxy in the vicinity of the North Galactic Pole — B. Chen; **113** (1), 311-20.
- A new survey of stellar kinematics in the central Milky Way — Glenn P. Tiede and D. M. Terndrup; **113** (1), 321-34.
- 21-cm line observations of galaxies in the Zone of Avoidance — Carmen A. Pantoja, Daniel R. Altschuler, Carlo Giovanardi, and Riccardo Giovanelli; **113** (3), 905-36.
- Discovery of a faint carbon star at high galactic latitude — J. Ward Moody, Stephen A. Gregory, Michael S. Soukup, and Eric C. Jaderlund; **113** (3), 1022-5.
- Identification of *IRAS* sources in the outer disk of the Galaxy — B. W. Jiang, S. Deguchi, J. Y. Hu, T. Yamashita, E. Nishihara, S. Matsumoto, and Y. Nakada; **113** (4), 1315-27.
- Abundance ratios in a common proper motion pair: Chemical evidence of accreted substructure in the halo field? — Jeremy R. King; **113** (6), 2302-11.
- Discovery of an "α" element-poor halo star in a search for very low-metallicity disk stars — Bruce W. Carney, Jeffrey S. Wright, Chris Sneden, John B. Laird, Luis A. Aguilar, and David W. Latham; **114** (1), 363-75.
- Space velocities of southern globular clusters. I. Astrometric techniques

- and first results — Dana I. Dinescu, Terrence M. Girard, William F. van Altena, René A. Méndez, and Carlos E. López; **114** (3), 1014-29.
- NGC 2419, M92, and the age gradient in the galactic halo — William E. Harris, Roger A. Bell, Don A. Vandenberg, Michael Bolte, Peter B. Stetson, James E. Hesser, Sidney van den Bergh, Howard E. Bond, Gregory G. Fahlman, and Harvey B. Richer; **114** (3), 1030-42.
- Fluctuation of extragalactic reference frame due to gravitational lensing in our galaxy — Mizuhiko Hosokawa, Kouji Ohnishi, and Toshio Fukushima; **114** (4), 1508-16.
- Evidence for an intervening stellar population toward the Large Magellanic Cloud — Dennis Zaritsky and D. N. C. Lin; **114** (6), 2545-55.
- Some revised observational constraints on the formation and evolution of the galactic disk — Bruce A. Twarog, Keith M. Ashman, and Barbara J. Anthony-Twarog; **114** (6), 2556-85.
- The stellar content near the Galactic Center — T. J. Davidge, D. A. Simons, F. Rigaut, R. Doyon, and D. Crampton; **114** (6), 2586-95.
- RR Lyrae variables in a new galactic bulge window — Betty M. Blanco and V. M. Blanco; **114** (6), 2596-603.
- ### Magellanic Clouds
- Stellar populations in the Large Magellanic Cloud: Evidence for a significant number of older stars or a steeper IMF? — Jon A. Holtzman, Jeremy R. Mould, John S. Gallagher III, Alan M. Watson, Carl J. Grillmair, Gilda E. Ballester, Christopher J. Burrows, John T. Clarke, David Crisp, Robin W. Evans, Richard E. Griffiths, J. Jeff Hester, John G. Hoessel, Paul A. Scowen, Karl R. Stapelfeldt, John T. Trauger, and James A. Westphal; **113** (2), 656-68.
- Ultraviolet observations of the Small Magellanic Cloud* — Robert H. Cornett, Michael R. Greason, Jesse K. Hill, Joel Wm. Parker, William H. Waller, Ralph C. Bohlin, Kwang-Peng Cheng, Susan G. Neff, Robert W. O'Connell, Morton S. Roberts, Andrew M. Smith, and Theodore P. Stecher; **113** (3), 1011-21.
- Ultraviolet photometry of stars in the compact cluster R136 in the Large Magellanic Cloud — Deidre A. Hunter, William D. Vacca, Philip Massey, Roger Lynds, and Earl J. O'Neil; **113** (5), 1691-9.
- Ultraviolet color-magnitude diagram studies of intermediate age Large Magellanic Cloud star clusters. I. NGC 1783 — Andrew A. Cole, John S. Gallagher, III, Wendy L. Freedman, and Randy Phelps; **113** (5), 1700-10.
- A digital photometric survey of the Magellanic Clouds: First results from one million stars — Dennis Zaritsky, Jason Harris, and Ian Thompson; **114** (3), 1002-13.
- A search for old star clusters in the Large Magellanic Cloud — Doug Geisler, Eduardo Bica, Horacio Dottori, Juan J. Clariá, Andrés E. Piatti, and João F. C. Santos, Jr.; **114** (5), 1920-32.
- On the distribution of dust in the Large Magellanic Cloud — Jason Harris, Dennis Zaritsky, and Ian Thompson; **114** (5), 1933-44.
- Far-Ultraviolet Imaging of the Large Magellanic Cloud populous cluster NGC 1978 with WFPC2 — Andrew A. Cole, Jeremy R. Mould, John S. Gallagher, III, John T. Clarke, John T. Trauger, Gilda E. Ballester, Christopher J. Burrows, Stefano Casertano, David Crisp, Richard Griffiths, J. Jeff Hester, John G. Hoessel, Jon A. Holtzman, Paul A. Scowen, Karl R. Stapelfeldt, and James A. Westphal; **114** (5), 1945-50.
- UV spectral classification of O and B stars in the Small Magellanic Cloud — Margaret M. Smith Neubig and Frederick C. Bruhweiler; **114** (5), 1951-63.
- Evidence for an intervening stellar population toward the Large Magellanic Cloud — Dennis Zaritsky and D. N. C. Lin; **114** (6), 2545-55.
- ### Normal Galaxies (Structure, Evolution, Pairs, etc.)
- Evolution of the galaxy population based on photometric redshifts in the Hubble Deep Field — M. J. Sawicki, H. Lin, and H. K. C. Yee; **113** (1), 1-12.
- The galaxy luminosity function from observations of twenty Abell clusters — Eric J. Gaidos; **113** (1), 117-29.
- The galaxy luminosity function at $z \leq 0.05$: Dependence on color — Ronald O. Marzke and L. Nicolaci da Costa; **113** (1), 185-96.
- Distribution of supernovae in spiral galaxies — Sidney van den Bergh; **113** (1), 197-200.
- Multiwavelength observations of collisional ring galaxies. I. Broad-band images, global properties, and radial colors of the sample galaxies — P. N. Appleton and A. P. Marston; **113** (1), 201-24.
- The nuclear region of M51 imaged with the *HST* planetary camera — Carl J. Grillmair, S. M. Faber, Tod R. Lauer, J. Jeff Hester, C. Roger Lynds, Earl J. O'Neil, Jr., and Paul A. Scowen; **113** (1), 225-30.
- Infrared photometry of supernova 1993J in M81 — Takehiko Wada and Munetaka Ueno; **113** (1), 231-5.
- H α , far-infrared and thermal radio continuum emission within the late-type spiral galaxy M33 — Nicholas A. Devereux, Neb Duric, and Paul A. Scowen; **113** (1), 236-48.
- Erratum: "Near-infrared structure of the edge-on spiral NGC 4565" [AJ, **112**, 114 (1996)] — W. Rice, K. Michael Merrill, Ian Gatley, and F. C. Gillett; **113** (1), 446(E).
- Surface photometry of Virgo dwarf ellipticals — Patrick R. Durrell; **113** (2), 531-9.
- The *HST* Medium Deep Survey: Light profiles and redshifts for field galaxies with $z \leq 0.6$ — P. C. Schmidtke, R. A. Windhorst, S. B. Mutz, S. M. Pascarelle, B. E. Franklin, and R. E. Griffiths; **113** (2), 569-84.
- New H I observations of the prototype polar ring galaxy NGC 4650A — M. Arnaboldi, T. Oosterloo, F. Combes, K. C. Freeman, and B. Koribalski; **113** (2), 585-98.
- Massive star formation along the Hubble sequence — Nicholas A. Devereux and Salman Hameed; **113** (2), 599-608.
- NGC 5204: A strongly warped Magellanic spiral. II. H I kinematics and mass distribution — Vincent Sicotte and Claude Carignan; **113** (2), 609-17.
- A revised orbital period for M33 X-7 — Daniel T. Larson and Eric Schulman; **113** (2), 618-23.
- An adaptive kernel approach to finding dSph galaxies around the Milky Way — J. T. Kleya, M. J. Geller, S. J. Kenyon, and M. J. Kurtz; **113** (2), 624-33.
- The kinematics, orbit, and survival of the Sagittarius dwarf spheroidal galaxy — Rodrigo A. Ibata, Rosemary F. G. Wyse, Gerard Gilmore, Michael J. Irwin, and Nicholas B. Suntzeff; **113** (2), 634-55.
- Galactic drips and how to stop them — William G. Mathews; **113** (2), 755-63.
- Hubble Space Telescope* imaging of the globular cluster system around NGC 5846 — Duncan A. Forbes, Jean P. Brodie, and John Huchra; **113** (3), 887-94.
- The globular cluster systems of NGC 1400 and NGC 1407 — Kathryn M. Perrett, David A. Hanes, Steven T. Butterworth, JJ Kavelaars, Doug Geisler, and William E. Harris; **113** (3), 895-904.
- 21-cm line observations of galaxies in the Zone of Avoidance — Carmen A. Pantoja, Daniel R. Altschuler, Carlo Giovanardi, and Riccardo Giovanelli; **113** (3), 905-36.
- The H I-rich elliptical galaxy NGC 5266 — R. Morganti, E. M. Sadler, T. Oosterloo, A. Pizzella, and F. Bertola; **113** (3), 937-49.
- Kinematic profiles of S0 galaxies — David Fisher; **113** (3), 950-74.
- UBVR and H α photometry of H II regions and OB associations in galaxies: A test for a variable IMF — Fabio Bresolin and Robert C. Kennicutt, Jr.; **113** (3), 975-80.
- Discovery of a second companion of Dwingeloo 1 — Marshall L. McCall and Ronald J. Buta; **113** (3), 981-4.
- The inner bulge of M31 — T. J. Davidge; **113** (3), 985-1000.
- Stellar populations in the dwarf elliptical galaxy NGC 147 — M. Han, J. G. Hoessel, J. S. Gallagher III, J. Holtzman, P. B. Stetson, J. Trauger, G. E. Ballester, C. Burrows, J. Clarke, D. Crisp, R. Griffiths, C. Grillmair, J. Hester, J. Krist, J. R. Mould, P. Scowen, K. Stapelfeldt, A. Watson, and J. Westphal; **113** (3), 1001-10.

- 21 cm H I line spectra of galaxies in nearby clusters — Martha P. Haynes, Riccardo Giovanelli, Terry Herter, Nicole P. Vogt, Wolfram Freudling, Marcio A. G. Maia, John J. Salzer, and Gary Wegner; **113** (4), 1197-211.
- A wide field CCD survey for low surface brightness galaxies. I. Data acquisition, description, and initial results — Karen O'Neil, G. D. Bothun, and Mark E. Cornell; **113** (4), 1212-38.
- The peculiar morphology of the irregular galaxy NGC 1427A — Sergio A. Cellone and Juan Carlos Forte; **113** (4), 1239-49.
- Rapidly rotating circumnuclear gas disks in Virgo disk galaxies — Vera C. Rubin, Jeffrey D. P. Kenney, and Judith S. Young; **113** (4), 1250-78.
- A ROSAT PSPC study of NGC 55 — Eric M. Schlegel, Paul Barrett, and Kulinder Pal Singh; **113** (4), 1296-309.
- Distance to the Coma Cluster and a value for H_0 inferred from globular clusters in IC 4051 — William A. Baum, Mark Hammergren, Bjarne Thomsen, Edward J. Groth, Sandra M. Faber, Carl J. Grillmair, and Edward A. Ajhar; **113** (5), 1483-94.
- The influence of the photoionizing radiation spectrum on metal-line ratios in Ly α forest clouds — Mark L. Giroux and J. Michael Shull; **113** (5), 1505-13.
- High-resolution V, I, and K-band imaging of faint field galaxies from the HST medium-deep survey — Steven B. Mutz, Rogier A. Windhorst, David Wittman, Laird M. Close, and Donald W. McCarthy, Jr.; **113** (5), 1537-47.
- The Montreal Blue Galaxy survey. III. Third list of UV-bright candidates — Roger Coziol, Serge Demers, Rémi Barnéoud, and Miriam Peña; **113** (5), 1548-58.
- UGC 12732: A disk galaxy lacking high-velocity clouds — Eric Schulman, Elias Brinks, Joel N. Bregman, and Morton S. Roberts; **113** (5), 1559-68.
- Is there molecular gas in the H I cloud between NGC 4472 and UGC 7636? — Jimmy A. Irwin, David T. Frayer, and Craig L. Sarazin; **113** (5), 1580-4.
- NGC 5084: A massive disk galaxy accreting its satellites? — Claude Carignan, Stéphanie Côté, Kenneth C. Freeman, and Peter J. Quinn; **113** (5), 1585-90.
- The giant, gas-rich, low-surface-brightness galaxy NGC 289 — Wilfred Walsh, Lister Staveley-Smith, and Tom Oosterloo; **113** (5), 1591-606.
- BVR i and H α surface photometry of the triple-ringed galaxy IC 4214 — M. F. Saraiva; **113** (5), 1607-17.
- A comparative study of star formation thresholds in gas-rich low surface brightness dwarf galaxies — Liese van Zee, Martha P. Haynes, John J. Salzer, and Adrick H. Brocils; **113** (5), 1618-37.
- Obtaining high precision H I fluxes for galaxies — Liese van Zee, Ronald J. Maddalena, Martha P. Haynes, David E. Hogg, and Morton S. Roberts; **113** (5), 1638-47.
- Globular clusters in the Sombrero galaxy (NGC 4594) — Duncan A. Forbes, Carl J. Grillmair, and R. Chris Smith; **113** (5), 1648-51.
- On the origin of globular clusters in elliptical and cD galaxies — Duncan A. Forbes, Jean P. Brodie, and Carl J. Grillmair; **113** (5), 1652-65.
- The stellar populations of spiral disks. I. A new observational approach: Description of the technique and spectral gradients for the inter-arm regions of NGC 4321 (M100) — Dominique Beauchamp and Eduardo Hardy; **113** (5), 1666-77.
- Hot interstellar gas in the irregular galaxy NGC 4449 — Dominik J. Bomans, You-Hua Chu, and Ulrich Hopp; **113** (5), 1678-90.
- Photometry of galaxies in the Bootes Void — Shawn T. Cruzen, Donna Weistrop, and Charles G. Hoopes; **113** (6), 1983-94.
- Tests of the Tully-Fisher relation. II. Scatter using optical rotation curves — Somak Raychaudhury, Kaspar von Braun, Gary M. Bernstein, and Paragra Guhathakurta; **113** (6), 2046-53.
- Some musings on galaxy classification — Sidney van den Bergh; **113** (6), 2054-60.
- Stellar populations in edge-on galaxies from deep CCD surface photometry. II. One-dimensional fits of NGC 891 — Heather L. Morrison, Eric D. Miller, Paul Harding, Daniel R. Stinebring, and Todd A. Boroson; **113** (6), 2061-74.
- Spiral structure based limits on the disk mass of the low surface brightness galaxies UGC 6614 and F568-6 — A. C. Quillen and T. E. Pickering; **113** (6), 2075-86.
- An economical technique for the estimate of galaxy distances: The photometric fundamental plane — Marco Scoddeggio, Riccardo Giovanelli, and Martha P. Haynes; **113** (6), 2087-93.
- High spatial resolution near-infrared imaging of the central regions of M31 — T. J. Davidge, F. Rigaut, R. Doyon, and D. Crampton; **113** (6), 2094-103.
- The panchromatic starburst intensity limit at low and high redshift — Gerhardt R. Meurer, Timothy M. Heckman, Matthew D. Lehnert, Claus Leitherer, and James Lowenthal; **114** (1), 54-68.
- Kinematics of the interstellar medium in NGC 1705: Implications for distant star-forming galaxies — Timothy M. Heckman and Claus Leitherer; **114** (1), 69-76.
- Close galaxy pairs in medium density regions: The Northern Sky — Tyler E. Nordgren, Jayaram N. Chengalur, E. E. Salpeter, and Yervant Terzian; **114** (1), 77-93.
- The extinction law in an occulting galaxy — Andreas A. Berlind, A. C. Quillen, R. W. Pogge, and K. Sellgren; **114** (1), 107-14.
- Spectroscopy of edge-on spirals — Riccardo Giovanelli, Eric Avera, and Igor D. Karachentsev; **114** (1), 122-37.
- Interstellar gas in low mass Virgo Cluster spiral galaxies — Beverly J. Smith and Suzanne C. Madden; **114** (1), 138-46.
- Stellar populations of the dwarf irregular galaxy WLM — Dante Minniti and Albert A. Zijlstra; **114** (1), 147-60.
- Globular clusters in 19 northern Abell clusters — John P. Blakeslee, John L. Tonry, and Mark R. Metzger; **114** (2), 482-506.
- Keck spectroscopy of the gravitational lens system PG 1115+080: Redshifts of the lensing galaxies — Tomislav Kundić, Judith G. Cohen, Roger D. Blandford, and Lori M. Lubin; **114** (2), 507-10.
- The spectral energy distribution of normal, starburst, and active galaxies — Henric R. Schmitt, Anne L. Kinney, Daniela Calzetti, and Thaisa Storchi Bergmann; **114** (2), 592-612.
- Gravitational interactions in poor galaxy groups — Davis S. Davis, William C. Keel, John S. Mulchaey, and Patricia A. Henning; **114** (2), 613-25.
- Calibration of the surface brightness fluctuation method for use with the Hubble Space Telescope — Edward A. Ajhar, Tod R. Lauer, John L. Tonry, John P. Blakeslee, Alan Dressler, Jon A. Holtzman, and Marc Postman; **114** (2), 626-34.
- The number density of low-surface brightness galaxies with $23 < \mu_0 < 25$ V mag/arcsec² — Julianne J. Dalcanton, David N. Spergel, James E. Gunn, Maarten Schmidt, and Donald P. Schneider; **114** (2), 635-54.
- Deep surface photometry of spiral galaxy NGC 5383: Observational techniques and halo constraints — Ian J. Barton and Laird A. Thompson; **114** (2), 655-68.
- The star formation history of the Pegasus dwarf irregular galaxy — A. Aparicio, C. Gallart, and G. Bertelli; **114** (2), 669-79.
- The stellar content and the star formation history of the local group dwarf galaxy LGS 3 — A. Aparicio, C. Gallart, and G. Bertelli; **114** (2), 680-93.
- The ESO K'-band galaxy survey. I. Galaxy counts — P. Saracco, A. Iovino, B. Garilli, D. Maccagni, and G. Chincarini; **114** (3), 887-97.
- Estimating galaxy luminosity functions — C. N. A. Willmer; **114** (3), 898-912.
- Close galaxy pairs in low and medium density regions: The Southern Sky — Tyler E. Nordgren, Jayaram N. Chengalur, E. E. Salpeter, and Yervant Terzian; **114** (3), 913-31.

- Spatial distribution of far-infrared emission in spiral galaxies. I. Relation with radio continuum emission — Y. D. Mayya and T. N. Rengarajan; **114** (3), 932-45.
- Spatial distribution of far-infrared emission in spiral galaxies. II. Heating sources and gas-to-dust ratio — Y. D. Mayya and T. N. Rengarajan; **114** (3), 946-57.
- Population analysis of faint galaxies with mixture modeling — Timothy N. Titus, Earl J. Spillar, and Paul Johnson; **114** (3), 958-64.
- K-band observations of barred spiral galaxies — Michael W. Regan and Debra Meloy Elmegreen; **114** (3), 965-75.
- On the Cepheid variables of nearby galaxies. III. NGC 3109 — Ilaria Musella, Giampaolo Piotto, and Massimo Capaccioli; **114** (3), 976-87.
- The nature of the x-ray point source in the bar of NGC 6822 — Paul B. Eskridge and Raymond E. White, III; **114** (3), 988-95.
- A new galaxy in the Local Group: The Antlia Dwarf Galaxy — Alan B. Whiting, M. J. Irwin, and George K. T. Hau; **114** (3), 996-1001.
- Discovery of numerous dwarf galaxies in the two nearest groups of galaxies — Stéphanie Côté, Kenneth C. Freeman, Claude Carignan, and Peter J. Quinn; **114** (4), 1313-29.
- Damped Ly α absorption associated with an early-type galaxy at redshift $z = 0.16377$ — Kenneth M. Lanzetta, Arthur M. Wolfe, Hakan Altan, Xavier Barcons, Hsiao-Wen Chen, Alberto Fernández-Soto, David M. Meyer, Amelia Ortiz-Gil, Sandra Savaglio, John K. Webb, and Noriaki Yahata; **114** (4), 1337-44.
- Global relationships among the physical properties of stellar systems — David Burstein, Ralf Bender, S. M. Faber, and R. Nolthenius; **114** (4), 1365-92.
- Infrared imaging polarimetry of galaxies — Terry Jay Jones; **114** (4), 1393-404.
- Modeling polarization maps of external galaxies — Kenneth Wood and Terry Jay Jones; **114** (4), 1405-12.
- Structural components of NGC 5850 — Mercedes Prieto, S. T. Gottesman, Jose-Alfonso L. Aguerrí, and Antonia-Maria Varela; **114** (4), 1413-26.
- NGC 5291: Implications for the formation of dwarf galaxies — Benjamin K. Malphrus, Caroline E. Simpson, S. T. Gottesman, and Timothy G. Hawarden; **114** (4), 1427-46.
- The nature of the Antlia Galaxy: A new dwarf irregular in the outskirts of the Local Group — A. Aparicio, J. J. Dalcanton, C. Gallart, and D. Martínez-Delgado; **114** (4), 1447-57.
- WFPC2 observations of the Carina dwarf spheroidal galaxy — Kenneth J. Mighell; **114** (4), 1458-70.
- Fornax globular cluster 3: New color-magnitude diagrams for cluster and surrounding field — Edgar O. Smith, R. Michael Rich, and James D. Neill; **114** (4), 1471-8.
- Periodic orbits in triaxial galaxies with weak cusps — Tema Fridman and David Merritt; **114** (4), 1479-87.
- Deep *HST* V- and I-band observations of two globular clusters in the halo of M31 — Stephen Holland, Gregory G. Fahlman, and Harvey B. Richer; **114** (4), 1488-507.
- The apparent morphology of peculiar galaxies at intermediate to high redshifts — J. E. Hibbard and W. D. Vacca; **114** (5), 1741-52.
- Molecular gas and star formation within galaxies in the Bootes Void — L. J. Sage, D. Weistrop, S. Cruzen, and C. Kömpe; **114** (5), 1753-7.
- The centers of early-type galaxies with *HST*. IV. Central parameter relations — S. M. Faber, Scott Tremaine, Edward A. Ajhar, Yong-Ik Byun, Alan Dressler, Karl Gebhardt, Carl Grillmair, John Kormendy, Tod R. Lauer, and Douglas Richstone; **114** (5), 1771-96.
- Hubble Space Telescope* observations of two dynamically young elliptical galaxies — Bradley C. Whitmore, Bryan W. Miller, François Schweizer, and S. Michael Fall; **114** (5), 1797-823.
- Dust and recent star formation in the core of NGC 5253 — Daniela Calzetti, Gerhard R. Meurer, Ralph C. Bohlin, Donald R. Garnett, Anne L. Kinney, Claus Leitherer, and Thaisa Storchi-Bergmann; **114** (5), 1834-49.
- Near-infrared observations of circumnuclear star formation in NGC 3351, NGC 3504, and NGC 5248 — Debra Meloy Elmegreen, Frederick R. Chromey, Michael Santos, and Daniel Marshall; **114** (5), 1850-7.
- Neutral hydrogen distributions and kinematics of giant low surface brightness disk galaxies — T. E. Pickering, C. D. Impey, J. H. van Gorkom, and G. D. Bothun; **114** (5), 1858-82.
- Near-infrared imaging spectroscopy of IC 342: Evolution of a bar-driven central starburst — Torsten Böker, Natascha M. Förster-Schreiber, and Reinhard Genzel; **114** (5), 1883-98.
- B and V CCD photometry of southern, extreme late-type spiral galaxies — Lynn D. Matthews and John S. Gallagher, III; **114** (5), 1899-919.
- Erratum: "The number density of low-surface brightness galaxies with $25 < \mu_0 < 25$ V mag/arcsec²" [Astron. J., **114**, 635 (1997)] — Julianne J. Dalcanton, David N. Spergel, James E. Gunn, Maarten Schmidt, and Donald P. Schneider; **114** (5), 2178(E).
- The axis ratio distribution of local and distant galaxies — Stephen C. Odewahn, David Burstein, and Rogier A. Windhorst; **114** (6), 2219-31.
- Observations of the ocular galaxy NGC 2535 and its starburst companion NGC 2536 — Michele Kaufman, Elias Brinks, Debra Meloy Elmegreen, Magnus Thomasson, Bruce G. Elmegreen, Curtis Struck, and Mario Klarić; **114** (6), 2323-49.
- Probes for nearby galaxies — David Crampton, G. Gussie, A. P. Cowley, and P. C. Schmidtke; **114** (6), 2353-65.
- Spiral galaxies with WFPC2. I. Nuclear morphology, bulges, star clusters, and surface brightness profiles — C. M. Carollo, M. Stiavelli, P. T. de Zeeuw, and J. Mack; **114** (6), 2366-80.
- The star cluster system of the merger remnant NGC 7252 — Bryan W. Miller, Bradley C. Whitmore, François Schweizer, and S. Michael Fall; **114** (6), 2381-401.
- Optical rotation curves and linewidths for Tully-Fisher applications — Stéphane Courteau; **114** (6), 2402-27.
- Nuclear rotation curves of galaxies in the CO-line emission — Yoshiaki Sofue, Yoshinori Tutui, Mareki Honma, and Akihiko Tomita; **114** (6), 2428-36.
- Recovering galaxy rotation speeds from irregular emission profiles — T. E. Lavezzi and J. M. Dickey; **114** (6), 2437-47.
- A wide field CCD survey for low surface brightness galaxies. II. Color distributions, stellar populations, and missing baryons — Karen O'Neil, G. D. Bothun, J. Schombert, Mark E. Cornell, and C. D. Impey; **114** (6), 2448-62.
- Extrplanar dust in the edge-on spiral NGC 891 — J. Christopher Howk and Blair D. Savage; **114** (6), 2463-78.
- Optical colors and metallicities of gas-rich quiescent dwarf galaxies — Liese van Zee, Martha P. Haynes, and John J. Salzer; **114** (6), 2479-96.
- Element enrichment and stellar populations of gas-rich low surface brightness dwarf galaxies — Liese van Zee, Martha P. Haynes, and John J. Salzer; **114** (6), 2497-504.
- The properties of the Antlia dwarf galaxy — Ata Sarajedini, C. F. Claver, and James C. Ostheimer, Jr.; **114** (6), 2505-13.
- The dwarf irregular galaxy Sextans A. I. *HST* photometry of the resolved stars — Robbie C. Dohm-Palmer, Evan D. Skillman, A. Saha, E. Tolstoy, Mario Mateo, J. Gallagher, J. Hoessel, C. Chiosi, and R. J. Dufour; **114** (6), 2514-26.
- The dwarf irregular galaxy Sextans A. II. Recent star formation history — Robbie C. Dohm-Palmer, Evan D. Skillman, A. Saha, E. Tolstoy, Mario Mateo, J. Gallagher, J. Hoessel, C. Chiosi, and R. J. Dufour; **114** (6), 2527-44.

Active Galaxies (Seyfert Galaxies, BL Lacertae Objects, Radio Galaxies)

- Constraints on radio source evolution from the compact steep spectrum and GHz peaked spectrum radio sources — Christopher P. O'Dea and Stefi A. Baum; **113** (1), 148-61.

- Reddening and star formation in starburst galaxies — Daniela Calzetti; **113** (1), 162-84.
- Multiwavelength observations of collisional ring galaxies. I. Broad-band images, global properties, and radial colors of the sample galaxies — P. N. Appleton and A. P. Marston; **113** (1), 201-24.
- JHK* imaging and photometry of low *z* QSOs and radio galaxy — J. B. Hutchings and S. G. Neff; **113** (2), 550-61.
- New H I observations of the prototype polar ring galaxy NGC 4650A — M. Arnaboldi, T. Oosterloo, F. Combes, K. C. Freeman, and B. Koribalski; **113** (2), 585-98.
- X-ray emission from the host clusters of powerful AGN — Patrick B. Hall, Erica Ellingson, and Richard F. Green; **113** (4), 1179-96.
- The stellar dynamics of M87 — David Merritt and Siang Peng Oh; **113** (4), 1279-85.
- Spectral observations of faint Markarian galaxies of the second Byurakan Survey — L. Carrasco, A. Serrano, H. M. Tovmassian, J. A. Stepanian, V. H. Chavushyan, and L. K. Erastova; **113** (5), 1527-36.
- The Montreal Blue Galaxy survey. III. Third list of UV-bright candidates — Roger Coziol, Serge Demers, Rémi Barnéoud, and Miriam Peña; **113** (5), 1548-58.
- Heavily obscured star formation in the II Zw 96 galaxy merger — Jeffrey D. Goldader, Deborah L. Goldader, R. D. Joseph, René Doyon, and D. B. Sanders; **113** (5), 1569-79.
- On the origin of globular clusters in elliptical and cD galaxies — Duncan A. Forbes, Jean P. Brodie, and Carl J. Grillmair; **113** (5), 1652-65.
- The ionized gas and radio halo of NGC 3432 (Arp 206) — Jayanne English and Judith A. Irwin; **113** (6), 2006-24.
- The nearest GHz peaked-spectrum radio galaxy, PKS 1718-649 — S. J. Tingay, D. L. Jauncey, J. E. Reynolds, A. K. Tzioumis, E. A. King, R. A. Preston, J. E. J. Lovell, P. M. McCulloch, M. E. Costa, G. Nicolson, A. Koekemoer, M. Tornikoski, L. Kedziora-Chudczer, and D. Campbell-Wilson; **113** (6), 2025-30.
- A dynamical analysis of the H II galaxy II Zwicky 33 and its low surface brightness companion — Fabian Walter, Elias Brinks, Neb Duric, and Ulrich Klein; **113** (6), 2031-45.
- The gravitationally lensed radio source MG 0751+2716 — J. Lehar, B. F. Burke, S. R. Conner, E. E. Falco, A. B. Fletcher, M. Irwin, R. G. McMahon, T. W. B. Muxlow, and P. L. Schechter; **114** (1), 48-53.
- The panchromatic starburst intensity limit at low and high redshift — Gerhardt R. Meurer, Timothy M. Heckman, Matthew D. Lehnert, Claus Leitherer, and James Lowenthal; **114** (1), 54-68.
- Kinematics of the interstellar medium in NGC 1705: Implications for distant star-forming galaxies — Timothy M. Heckman and Claus Leitherer; **114** (1), 69-76.
- Observations of the velocity field of NGC 4051 — Noboru Kaneko, Kentaro Aoki, George Kosugi, Hiroshi Ohtani, Michitoshi Yoshida, Kiyotaka Toyama, Tetsuya Satoh, and Minoru Sasaki; **114** (1), 94-101.
- The peculiar galaxy NGC 1487 — E. L. Agüero and S. Paolantonio; **114** (1), 102-6.
- The nature of the optical "jets" in the spiral galaxy NGC 1097 — Ann E. Wehrle, William C. Keel, and Dayton L. Jones; **114** (1), 115-21.
- Deep WFPC2 and ground-based imaging of a complete sample of 3C quasars and galaxies — Susan E. Ridgway and Alan Stockton; **114** (2), 511-43.
- An ultraviolet view of massive star formation in Seyfert host galaxies — Michael N. Fanelli, Nicholas Collins, Ralph C. Bohlin, Susan G. Neff, Robert W. O'Connell, Morton S. Roberts, Andrew M. Smith, and Theodore P. Stecher; **114** (2), 575-84.
- The infrared nucleus of the Wolf-Rayet galaxy Henize 2-10 — S. C. Beck, D. M. Kelly, and J. H. Lacy; **114** (2), 585-91.
- The spectral energy distribution of normal, starburst, and active galaxies — Henrique R. Schmitt, Anne L. Kinney, Daniela Calzetti, and Thaisa Storchi Bergmann; **114** (2), 592-612.
- Spectroscopy of Seyfert 2 Galaxies, LINERs, and H II galaxies — M. S. Vaceli, S. M. Viegas, R. Gruenwald, and R. E. de Souza; **114** (4), 1345-55.
- Optical identification of joint *EUVE* and *ROSAT* detections in the southern hemisphere: Soft active galactic nuclei — Nahide Craig and Antonella Fruscione; **114** (4), 1356-64.
- Infrared imaging polarimetry of galaxies — Terry Jay Jones; **114** (4), 1393-404.
- Modeling polarization maps of external galaxies — Kenneth Wood and Terry Jay Jones; **114** (4), 1405-12.
- E 0336-248: A new BL Lac object found by an old *Einstein* — Jules P. Halpern, Michael Eracleous, and Karl Forster; **114** (5), 1736-40.
- The apparent morphology of peculiar galaxies at intermediate to high redshifts — J. E. Hibbard and W. D. Vacca; **114** (5), 1741-52.
- Characteristics of Kiso Ultraviolet excess galaxies — Akihiko Tomita, Tsutomu T. Takeuchi, Tadashi Usui, and Mamoru Saitō; **114** (5), 1758-70.
- Young star clusters in the dwarf irregular galaxy, UGC 7636, interacting with the giant elliptical galaxy NGC 4472 — Myung Gyoong Lee, Eunhyeuk Kim, and Doug Geisler; **114** (5), 1824-33.
- Dust and recent star formation in the core of NGC 5253 — Daniela Calzetti, Gerhardt R. Meurer, Ralph C. Bohlin, Donald R. Garnett, Anne L. Kinney, Claus Leitherer, and Thaisa Storchi-Bergmann; **114** (5), 1834-49.
- Near-infrared imaging spectroscopy of IC 342: Evolution of a bar-driven central starburst — Torsten Böker, Natascha M. Förster-Schreiber, and Reinhard Genzel; **114** (5), 1883-98.
- A 5-GHz southern hemisphere VLBI survey of compact radio sources. I. — Z.-Q. Shen, T.-S. Wan, J. M. Moran, D. L. Jauncey, J. E. Reynolds, A. K. Tzioumis, R. G. Gough, R. H. Ferris, M. W. Sinclair, D.-R. Jiang, X.-Y. Hong, S.-G. Liang, M. E. Costa, S. J. Tingay, P. M. McCulloch, J. E. J. Lovell, E. A. King, G. D. Nicolson, D. W. Murphy, D. L. Meier, T. D. van Ommen, P. G. Edwards, and G. L. White; **114** (5), 1999-2015.
- Erratum: "Optical imaging and high spatial resolution 21 cm H I observations of the peculiar galaxy NGC 2782 (Arp 215)" [Astron J., **107**, 1695 (1994)] — Beverly J. Smith; **114** (5), 2177(E).
- The proper motion of 4C 39.25 — Alan L. Fey, T. Marshall Eubanks, and Kerry A. Kingham; **114** (6), 2284-91.
- VLA imaging of Fanaroff-Riley II 3CR radio galaxies. II. Eight new images and comparisons with 3CR quasars — Ilias Fernini, Jack O. Burns, and Rick A. Perley; **114** (6), 2292-312.
- Ultraviolet emission from the LINER nucleus of NGC 6500 — Aaron J. Barth, Gail A. Reichert, Luis C. Ho, Joseph C. Shields, Alexei V. Filippenko, and Elizabeth M. Puchnarewicz; **114** (6), 2313-22.
- Observations of the ocular galaxy NGC 2535 and its starburst companion NGC 2536 — Michele Kaufman, Elias Brinks, Debra Meloy Elmegreen, Magnus Thomasson, Bruce G. Elmegreen, Curtis Struck, and Mario Klarić; **114** (6), 2323-49.
- Optical spectroscopy of the unusual galaxy J2310-43 — Alessandro Caccianiga and Tommaso Maccacaro; **114** (6), 2350-2.
- The star cluster system of the merger remnant NGC 7252 — Bryan W. Miller, Bradley C. Whitmore, François Schweizer, and S. Michael Fall; **114** (6), 2381-401.

Quasi-stellar Objects

- The Q0957+561 time delay from optical data — Rudy Schild and David J. Thomson; **113** (1), 130-5.
- Keck high resolution spectroscopy of PKS 0123+257: Intrinsic absorption in a radio-loud quasar — Thomas A. Barlow and W. L. W. Sargent; **113** (1), 136-43.
- Radio spectra of radio quiet quasars. II. Broad absorption line quasars — Richard Barvainis and Colin Lonsdale; **113** (1), 144-7.
- HST* observations and models of the gravitational lens system MG 0414 +0534 — Emilio E. Falco, Joseph Lehar, and Irwin I. Shapiro; **113** (2), 540-9.

- JHK* imaging and photometry of low z QSOs and radio galaxy — J. B. Hutchings and S. G. Neff; **113** (2), 550-61.
- Constraining the molecular gas reservoir associated with the protogalaxy candidate MS1512-cB58 — David T. Frayer, Padelì P. Papadopoulos, Jill Bechtold, E. R. Seaquist, H. K. C. Yee, and N. Z. Scoville; **113** (2), 562-8.
- The complex x-ray spectra of M82 and NGC 253 — A. Ptak, P. Serlemitsos, T. Yaqoob, R. Mushotzky, and T. Tsuru; **113** (4), 1286-95.
- The influence of the photoionizing radiation spectrum on metal-line ratios in Ly α forest clouds — Mark L. Giroux and J. Michael Shull; **113** (5), 1505-13.
- A QSO in a cluster at $z=2.4$ — J. B. Hutchings and S. G. Neff; **113** (5), 1514-6.
- The QSO evolution derived from the HBQS and other complete QSO surveys — Fabio La Franca and Stefano Cristiani; **113** (5), 1517-26.
- The time scales of the optical variability of Blazars. IV. Of 090.4 — John C. Noble, Michael T. Carini, H. Richard Miller, and Bret Goodrich; **113** (6), 1995-9.
- Radio observations of 4079 quasars — Otto B. Bischof and Robert H. Becker; **113** (6), 2000-5.
- Astrometric CCD positions for extragalactic radiosources — M. Assafin, R. Vieira Martins, A. H. Andrei, and C. H. Veiga; **113** (6), 2329-37.
- The redshift evolution of the Ly α forest — Tae-Sun Kim, Esther M. Hu, Lennox L. Cowie, and Antoinette Songaila; **114** (1), 1-13.
- Four faint optically-selected quasars with redshifts greater than four — Donald P. Schneider, Maarten Schmidt, and James E. Gunn; **114** (1), 36-40.
- A study of quasar clustering at $z>2.7$ from the Palomar Transit Grism Survey — Andrew W. Stephens, Donald P. Schneider, Maarten Schmidt, James E. Gunn, and David H. Weinberg; **114** (1), 41-7.
- Keck spectroscopy of the gravitational lens system PG 1115+080: Redshifts of the lensing galaxies — Tomislav Kundić, Judith G. Cohen, Roger D. Blandford, and Lori M. Lubin; **114** (2), 507-10.
- Deep WFPC2 and ground-based imaging of a complete sample of 3C quasars and galaxies — Susan E. Ridgway and Alan Stockton; **114** (2), 511-43.
- The statistical significance of quasar identifications of EGRET sources — Brian Punsly; **114** (2), 544-53.
- Observations of 3C 273 with the Goddard High Resolution Spectrograph on the *Hubble Space Telescope*. II — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, M. Snow, C. E. Randall, T. M. Tripp, T. B. Ake, D. M. Crenshaw, and F. C. Bruhweiler; **114** (2), 554-64.
- The micromvariability of selected radio-quiet and radio-loud QSOs — Minhwan Jang and H. Richard Miller; **114** (2), 565-74.
- The neutral hydrogen column density towards Q1937-1009 from the unabsorbed intrinsic continuum in the Lyman- α forest — Scott Burles and David Tytler; **114** (4), 1330-6.
- Damped Ly α absorption associated with an early-type galaxy at redshift $z=0.16377$ — Kenneth M. Lanzetta, Arthur M. Wolfe, Hakan Altan, Xavier Barcons, Hsiao-Wen Chen, Alberto Fernández-Soto, David M. Meyer, Amelia Ortiz-Gil, Sandra Savaglio, John K. Webb, and Noriaki Yahata; **114** (4), 1337-44.
- Are optically-selected QSO catalogs biased? — Ignacio Ferreras, Narciso Benítez, and Enrique Martínez-González; **114** (5), 1728-35.
- High dynamic range VLA observations of the gravitationally lensed quasar 0957+561 — Michael Harvanek, John T. Stocke, Jon A. Morse, and George Rhee; **114** (6), 2240-53.
- Temporal changes in quasar broad emission line profiles and the gravitationally lensed nature of Q1634+267A,B and Q2345+007A,B — Todd A. Small, Wallace L. W. Sargent, and Charles C. Steidel; **114** (6), 2254-68.
- A deep multicolor survey. III. Additional spectroscopy and implications for the number counts of faint quasars — Julia D. Kennefick, Patrick S. Osmer, Patrick B. Hall, and Richard F. Green; **114** (6), 2269-75.
- The external shear acting on gravitational lens B1422+231 — Tomislav Kundić, David W. Hogg, Roger D. Blandford, Judith G. Cohen, Lori M. Lubin, and James E. Larkin; **114** (6), 2276-83.
- Probes for nearby galaxies — David Crampton, G. Gussie, A. P. Cowley, and P. C. Schmidtke; **114** (6), 2353-65.
- ### Groups of Galaxies, Clusters of Galaxies, Superclusters, Intergalactic Matter
- The I band Tully-Fisher relation for cluster galaxies: Data presentation — Riccardo Giovanelli, Martha P. Haynes, Terry Herter, Nicole P. Vogt, Gary Wegner, John J. Salzer, Luiz N. da Costa, and Wolfram Freudling; **113** (1), 22-52.
- The I band Tully-Fisher relation for cluster galaxies: A template relation, its scatter and bias corrections — Riccardo Giovanelli, Martha P. Haynes, Terry Herter, Nicole P. Vogt, Luiz N. da Costa, Wolfram Freudling, John J. Salzer, and Gary Wegner; **113** (1), 53-79.
- Substructure in galaxy clusters: A two-dimensional approach — Jeffrey R. Kriessler and Timothy C. Beers; **113** (1), 80-100.
- The relative distance between the clusters of galaxies A2634 and coma — Marco Scodreggio, Riccardo Giovanelli, and Martha P. Haynes; **113** (1), 101-16.
- The galaxy luminosity function from observations of twenty Abell clusters — Eric J. Gaidos; **113** (1), 117-29.
- Groups of galaxies in the northern CfA redshift survey — Massimo Ramella, Armando Pisani, and Margaret J. Geller; **113** (2), 483-91.
- The Butcher-Oemler effect at low redshift: Spectroscopy of five nearby clusters of galaxies — Nelson Caldwell and James A. Rose; **113** (2), 492-520.
- The mass distribution of the cluster 0957+561 from gravitational lensing — Philippe Fischer, Gary Bernstein, George Rhee, and J. Anthony Tyson; **113** (2), 521-30.
- Surface photometry of Virgo dwarf ellipticals — Patrick R. Durrell; **113** (2), 531-9.
- X-ray emission from the host clusters of powerful AGN — Patrick B. Hall, Erica Ellingson, and Richard F. Green; **113** (4), 1179-96.
- 21 cm H I line spectra of galaxies in nearby clusters — Martha P. Haynes, Riccardo Giovanelli, Terry Herter, Nicole P. Vogt, Wolfram Freudling, Marcio A. G. Maia, John J. Salzer, and Gary Wegner; **113** (4), 1197-211.
- Rapidly rotating circumnuclear gas disks in Virgo disk galaxies — Vera C. Rubin, Jeffrey D. P. Kenney, and Judith S. Young; **113** (4), 1250-78.
- Detection of a small-scale cosmic microwave background decrement at 3.6 cm — E. A. Richards, E. B. Fomalont, K. I. Kellermann, R. B. Partridge, and R. A. Windhorst; **113** (5), 1475-82.
- Distance to the Coma Cluster and a value for H_0 inferred from globular clusters in IC 4051 — William A. Baum, Mark Hammergren, Bjarne Thomsen, Edward J. Groth, Sandra M. Faber, Carl J. Grillmair, and Edward A. Ajhar; **113** (5), 1483-94.
- A QSO in a cluster at $z=2.4$ — J. B. Hutchings and S. G. Neff; **113** (5), 1514-6.
- NGC 5084: A massive disk galaxy accreting its satellites? — Claude Carignan, Stéphanie Côté, Kenneth C. Freeman, and Peter J. Quinn; **113** (5), 1585-90.
- A VLA survey of the Hercules Cluster. I. The H I data — John M. Dickey; **113** (6), 1939-72.
- Two-color surface photometry of brightest cluster members — Bianca Garilli, Giorgio Sangalli, Stefano Andreon, Dario Maccagni, Luis Carrasco, and Elsa Recillas; **113** (6), 1973-82.
- Photometry of galaxies in the Bootes Void — Shawn T. Cruzen, Donna Weistrop, and Charles G. Hoopes; **113** (6), 1983-94.

- The redshift evolution of the Ly α forest — Tae-Sun Kim, Esther M. Hu, Lennox L. Cowie, and Antoinette Songaila; **114** (1), 1-13.
- The mass distribution of the most luminous x-ray cluster RXJ 1347.5-1145 from gravitational lensing — Philippe Fischer and J. Anthony Tyson; **114** (1), 14-24.
- Using fundamental plane distances to estimate the total binding mass in Abell 2626 — Joseph J. Mohr and Gary Wegner; **114** (1), 25-35.
- A study of quasar clustering at $z > 2.7$ from the Palomar Transit Grism Survey — Andrew W. Stephens, Donald P. Schneider, Maarten Schmidt, James E. Gunn, and David H. Weinberg; **114** (1), 41-7.
- The gravitationally lensed radio source MG 0751+2716 — J. Lehar, B. F. Burke, S. R. Conner, E. E. Falco, A. B. Fletcher, M. Irwin, R. G. McMahon, T. W. B. Muxlow, and P. L. Schechter; **114** (1), 48-53.
- Seeking the local convergence depth. I. Tully-Fisher observations of the clusters A168, A397, A569, A1139, A1228, and A1983 — Daniel A. Dale, Riccardo Giovanelli, Martha P. Haynes, Marco Scodreggio, Eduardo Hardy, and Luis E. Campusano; **114** (2), 455-73.
- Photometry of brightest galaxies in twenty Abell clusters — Eric J. Gaidos; **114** (2), 474-81.
- Globular clusters in 19 northern Abell clusters — John P. Blakeslee, John L. Tonry, and Mark R. Metzger; **114** (2), 482-506.
- Gravitational interactions in poor galaxy groups — Davis S. Davis, William C. Keel, John S. Mulchaey, and Patricia A. Henning; **114** (2), 613-25.
- Discovery of a redshift 0.8 cluster of galaxies in the ROSAT North Ecliptic Pole survey — J. P. Henry, I. M. Gioia, C. R. Mullis, D. I. Clowe, G. A. Luppino, H. Boehringer, U. G. Briel, W. Voges, and J. P. Huchra; **114** (4), 1293-6.
- Multicolor, two-dimensional photometric study of galaxies in rich Abell clusters. I. Observations and reductions — Eric G. Hintz, J. Ward Moody, Michael D. Joner, and Benjamin J. Taylor; **114** (4), 1297-307.
- Orientation of the field galaxies in the local supercluster — Q. R. Yuan, F. X. Hu, H. J. Su, and K. L. Huang; **114** (4), 1308-12.
- Discovery of numerous dwarf galaxies in the two nearest groups of galaxies — Stéphanie Côté, Kenneth C. Freeman, Claude Carignan, and Peter J. Quinn; **114** (4), 1313-29.
- X-ray observations of distant optically selected clusters — B. P. Holden, A. K. Romer, R. C. Nichol, and M. P. Ulmer; **114** (5), 1701-10.
- The cluster dynamics, x-ray emission, and radio galaxies in Abell 578 and Abell 1569 — P. L. Gómez, M. J. Ledlow, J. O. Burns, J. Pinkney, and J. M. Hill; **114** (5), 1711-27.
- Molecular gas and star formation within galaxies in the Bootes Void — L. J. Sage, D. Weistrop, S. Cruzen, and C. Kömpe; **114** (5), 1753-7.
- An IR-selected galaxy cluster at $z = 1.27$ — S. A. Stanford, Richard Elston, Peter R. Eisenhardt, Hyron Spinrad, Daniel Stern, and Arjun Dey; **114** (6), 2232-9.
- ### Universe, Cosmology, Background Radiation
- Evolution of the galaxy population based on photometric redshifts in the Hubble Deep Field — M. J. Sawicki, H. Lin, and H. K. C. Yee; **113** (1), 1-12.
- The first steps of the extragalactic distance ladder — Erika Böhm-Vitense; **113** (1), 13-21.
- The *I* band Tully-Fisher relation for cluster galaxies: Data presentation — Riccardo Giovanelli, Martha P. Haynes, Terry Herter, Nicole P. Vogt, Gary Wegner, John J. Salzer, Luiz N. da Costa, and Wolfram Freudling; **113** (1), 22-52.
- The *I* band Tully-Fisher relation for cluster galaxies: A template relation, its scatter and bias corrections — Riccardo Giovanelli, Martha P. Haynes, Terry Herter, Nicole P. Vogt, Luiz N. da Costa, Wolfram Freudling, John J. Salzer, and Gary Wegner; **113** (1), 53-79.
- Warm neutral gas at redshift $z = 3.4$ — F. H. Briggs, E. Brinks, and A. M. Wolfe; **113** (2), 467-73.
- Near infrared imaging of the Hubble Deep Field with the Keck Telescope — David W. Hogg, G. Neugebauer, Lee Armus, K. Matthews, Michael A. Pahre, B. T. Soifer, and A. J. Weinberger; **113** (2), 474-82.
- Detection of a small-scale cosmic microwave background decrement at 3.6 cm — E. A. Richards, E. B. Fomalont, K. I. Kellermann, R. B. Partridge, and R. A. Windhorst; **113** (5), 1475-82.
- Distance to the Coma Cluster and a value for H_0 inferred from globular clusters in IC 4051 — William A. Baum, Mark Hammergren, Bjarne Thomsen, Edward J. Groth, Sandra M. Faber, Carl J. Grillmair, and Edward A. Ajhar; **113** (5), 1483-94.
- Resolving the helium Lyman- α forest: Mapping intergalactic gas and ionizing radiation at $z \approx 3$ — Craig J. Hogan, Scott F. Anderson, and Martin H. Rugers; **113** (5), 1495-504.
- Tests of the Tully-Fisher relation. II. Scatter using optical rotation curves — Somak Raychaudhury, Kaspar von Braun, Gary M. Bernstein, and Puragra Guhathakurta; **113** (6), 2046-53.
- Erratum: "Near infrared imaging of the Hubble Deep Field with the Keck Telescope" [Astron. J., **113**, 474 (1997)] — David W. Hogg, G. Neugebauer, Lee Armus, K. Matthews, Michael A. Pahre, B. T. Soifer, and A. J. Weinberger; **113** (6), 2338(E).
- The redshift evolution of the Ly α forest — Tae-Sun Kim, Esther M. Hu, Lennox L. Cowie, and Antoinette Songaila; **114** (1), 1-13.
- The panchromatic starburst intensity limit at low and high redshift — Gerhardt R. Meurer, Timothy M. Heckman, Matthew D. Lehnert, Claus Leitherer, and James Lowenthal; **114** (1), 54-68.
- Seeking the local convergence depth. I. Tully-Fisher observations of the clusters A168, A397, A569, A1139, A1228, and A1983 — Daniel A. Dale, Riccardo Giovanelli, Martha P. Haynes, Marco Scodreggio, Eduardo Hardy, and Luis E. Campusano; **114** (2), 455-73.
- Keck spectroscopy of the gravitational lens system PG 1115+080: Redshifts of the lensing galaxies — Tomislav Kundić, Judith G. Cohen, Roger D. Blandford, and Lori M. Lubin; **114** (2), 507-10.
- Calibration of the surface brightness fluctuation method for use with the Hubble Space Telescope — Edward A. Ajhar, Tod R. Lauer, John L. Tonry, John P. Blakeslee, Alan Dressler, Jon A. Holtzman, and Marc Postman; **114** (2), 626-34.
- The ESO K' -band galaxy survey. I. Galaxy counts — P. Saracco, A. Iovino, B. Garilli, D. Maccagni, and G. Chincarini; **114** (3), 887-97.
- Damped Ly α absorption associated with an early-type galaxy at redshift $z = 0.16377$ — Kenneth M. Lanzetta, Arthur M. Wolfe, Hakan Altan, Xavier Barcons, Hsiao-Wen Chen, Alberto Fernández-Soto, David M. Meyer, Amelia Ortiz-Gil, Sandra Savaglio, John K. Webb, and Noriaki Yahata; **114** (4), 1337-44.
- The Century Survey: A deeper slice of the Universe — Margaret J. Geller, Michael J. Kurtz, Gary Wegner, John R. Thorstensen, Daniel G. Fabricant, Ronald O. Marzke, John P. Huchra, Rudolph E. Schild, and Emilio E. Falco; **114** (6), 2205-11.
- A new determination of the Hubble Parameter using galaxy linear diameters — Simon P. Goodwin, John Gribbin, and Martin A. Hendry; **114** (6), 2212-8.
- The axis ratio distribution of local and distant galaxies — Stephen C. Odewahn, David Burstein, and Rogier A. Windhorst; **114** (6), 2219-31.
- Optical rotation curves and linewidths for Tully-Fisher applications — Stéphane Courteau; **114** (6), 2402-27.

AUTHOR INDEX TO VOLUMES 113 AND 114

A

- Agerer, Franz** — see *Marschall, Laurence A.*, **114** (2), 793-9.
- Agüero, E. L.** — The peculiar galaxy NGC 1487 — E. L. Agüero and S. Paolantonio; **114** (1), 102-6.
- Aguerri, Jose-Alfonso L.** — see *Prieto, Mercedes*, **114** (4), 1413-26.
- Aguiar, Luis A.** — see *Carney, Bruce W.*, **114** (1), 363-75.
- A'Hearn, Michael F.** — see *Parker, Joel Wm.*, **113** (5), 1899-908.
- Ajhar, Edward A.** — see *Baum, William A.*, **113** (5), 1483-94.
- Calibration of the surface brightness fluctuation method for use with the *Hubble Space Telescope* — Edward A. Ajhar, Tod R. Lauer, John L. Tonry, John P. Blakeslee, Alan Dressler, Jon A. Holtzman, and Marc Postman; **114** (2), 626-34.
- see *Faber, S. M.*, **114** (5), 1771-96.
- Ake, T. B.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Alcaino, G.** — The main sequence of the globular cluster M4=NGC 6121 from CCD NTT photometry — G. Alcaino, W. Liller, F. Alvarado, V. Kravtsov, A. Ipatov, N. Samus, and O. Smirnov; **114** (1), 189-97.
- Multicolor NTT CCD photometry of the post-core-collapse globular cluster NGC 6397 — G. Alcaino, W. Liller, F. Alvarado, V. Kravtsov, A. Ipatov, N. Samus, and O. Smirnov; **114** (3), 1067-73.
- Multicolor CCD photometry of the poorly studied globular cluster NGC 6541 — G. Alcaino, W. Liller, F. Alvarado, V. Kravtsov, A. Ipatov, and N. Samus; **114** (6), 2638-43.
- Alcaino, Gonzalo** — Multicolor NTT photometry of the anomalous globular cluster NGC 288 — Gonzalo Alcaino, William Liller, and Franklin Alvarado; **114** (6), 2626-37.
- Alcock, C.** — The MACHO Project LMC variable star inventory. V. Classification and orbits of 611 eclipsing binary stars — C. Alcock, R. A. Allsman, D. Alves, T. S. Axelrod, A. C. Becker, D. P. Bennett, K. H. Cook, K. C. Freeman, K. Griest, C. H. S. Lacy, M. J. Lehner, S. L. Marshall, D. Minniti, B. A. Peterson, M. R. Pratt, P. J. Quinn, A. W. Rodgers, C. W. Stubbs, W. Sutherland, and D. L. Welch; **114** (1), 326-40.
- Alexander, Jason** — Nebular abundance errors — Jason Alexander and Bruce Balick; **114** (2), 713-21.
- Alfaro, Emilio J.** — see *Delgado, Antonio J.*, **113** (2), 713-21.
- see *Moitinho, André*, **113** (4), 1359-70.
- Allen, R. G.** — see *Clayton, Geoffrey C.*, **114** (3), 1132-7.
- Allsman, R. A.** — see *Alcock, C.*, **114** (1), 326-40.
- Altan, Hakan** — see *Lanzetta, Kenneth M.*, **114** (4), 1337-44.
- Altschuler, Daniel R.** — see *Pantoja, Carmen A.*, **113** (3), 905-36.
- Alvarado, F.** — see *Alcaino, G.*, **114** (1), 189-97.
- see *Alcaino, G.*, **114** (3), 1067-73.
- see *Alcaino, G.*, **114** (6), 2638-43.
- Alvarado, Franklin** — see *Alcaino, Gonzalo*, **114** (6), 2626-37.
- Alves, D.** — see *Alcock, C.*, **114** (1), 326-40.
- Alves, João** — Optical outburst of a pre-main-sequence object — João Alves, Lee Hartmann, César Briceño, and Charles J. Lada; **113** (4), 1395-405.
- Anandarao, B. G.** — see *Chakraborty, A.*, **114** (4), 1576-83.
- Andersen, J.** — see *Mayor, M.*, **114** (3), 1087-97.
- Andersen, Johannes** — see *Torres, Guillermo*, **114** (6), 2764-77.
- Anderson, C. M.** — see *Fox, G. K.*, **113** (3), 1152-7.
- see *Fox, G. K.*, **113** (3), 1158-65.
- see *Johnson, J. J.*, **113** (6), 2200-8.
- see *Clayton, Geoffrey C.*, **114** (3), 1132-7.
- Anderson, Scott F.** — see *Hogan, Craig J.*, **113** (5), 1495-504.
- Andrei, A. H.** — see *Assafin, M.*, **113** (4), 1451-6.
- see *Assafin, M.*, **113** (6), 2329-37.
- Andreon, Stefano** — see *Garilli, Bianca*, **113** (6), 1973-82.
- Anthony-Twarog, Barbara J.** — see *Twarog, Bruce A.*, **114** (6), 2556-85.
- Antonopoulou, E.** — see *Lázaro, C.*, **113** (3), 1122-8.
- Anupama, G. C.** — Optical spectra of recent supernovae of type Ia: SN1995al, SN1997Y, SN1997bp — G. C. Anupama; **114** (5), 2054-7.
- see *Kamath, U. S.*, **114** (6), 2671-8.
- Aoki, Kentaro** — see *Kaneko, Noboru*, **114** (1), 94-101.

- Aparicio, A.** — The star formation history of the Pegasus dwarf irregular galaxy — A. Aparicio, C. Gallart, and G. Bertelli; **114** (2), 669-79.
- The stellar content and the star formation history of the local group dwarf galaxy LGS 3 — A. Aparicio, C. Gallart, and G. Bertelli; **114** (2), 680-93.
- The nature of the Antlia Galaxy: A new dwarf irregular in the outskirts of the Local Group — A. Aparicio, J. J. Dalcanton, C. Gallart, and D. Martínez-Delgado; **114** (4), 1447-57.
- Appleton, P. N.** — Multiwavelength observations of collisional ring galaxies. I. Broad-band images, global properties, and radial colors of the sample galaxies — P. N. Appleton and A. P. Marston; **113** (1), 201-24.
- Archinal, Brent A.** — see *Harris, William E.*, **113** (2), 688-91.
- Ardeberg, A.** — see *Mayor, M.*, **114** (3), 1087-97.
- Arévalo, M. J.** — see *Lázaro, C.*, **113** (3), 1122-8.
- see *Lázaro, C.*, **113** (6), 2283-301.
- Argue, A. N.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Armstrong, J. T.** — see *Benson, J. A.*, **114** (3), 1221-6.
- Armus, Lee** — see *Hogg, David W.*, **113** (2), 474-82.
- see *Hogg, David W.*, **113** (6), 2338.
- Arnaboldi, M.** — New H I observations of the prototype polar ring galaxy NGC 4650A — M. Arnaboldi, T. Oosterloo, F. Combes, K. C. Freeman, and B. Koribalski; **113** (2), 585-98.
- Arzumanyants, G. C.** — see *Sandberg Lacy, Claud H.*, **114** (3), 1206-20.
- Ashman, Keith M.** — see *Twarog, Bruce A.*, **114** (6), 2556-85.
- Ashok, N. M.** — see *Kamath, U. S.*, **114** (6), 2671-8.
- Aspin, Colin** — see *Reipurth, Bo*, **114** (6), 2700-7.
- Assafin, M.** — A method to improve Guide Star Catalogue positions with astrometric catalogues — M. Assafin, R. Vieira Martins, and A. H. Andrei; **113** (4), 1451-6.
- Astrometric CCD positions for extragalactic radio sources — M. Assafin, R. Vieira Martins, A. H. Andrei, and C. H. Veiga; **113** (6), 2329-37.
- Avera, Eric** — see *Giovanelli, Riccardo*, **114** (1), 122-37.
- Axelrod, T. S.** — see *Alcock, C.*, **114** (1), 326-40.
- Axon, David J.** — see *O'Dell, C. R.*, **114** (2), 730-43.

B

- Babler, B. L.** — see *Fox, G. K.*, **113** (3), 1152-7.
- see *Fox, G. K.*, **113** (3), 1158-65.
- see *Johnson, J. J.*, **113** (6), 2200-8.
- see *Clayton, Geoffrey C.*, **114** (3), 1132-7.
- Backer, D. C.** — Polarimetry, peculiar mode and x-ray alignment of PSR B1821-24 — D. C. Backer and S. Sallmen; **114** (4), 1539-43.
- Bahcall, John N.** — see *Cohen, Randi L.*, **113** (2), 669-81.
- Balick, Bruce** — see *Davidson, Kris*, **113** (1), 335-45.
- see *Alexander, Jason*, **114** (2), 713-21.
- Ballantyne, D.** — see *Leahy, D. A.*, **114** (5), 2081-94.
- Ballester, G. E.** — see *Han, M.*, **113** (3), 1001-10.
- Ballester, Gilda E.** — see *Holtzman, Jon A.*, **113** (2), 656-68.
- see *Cole, Andrew A.*, **114** (5), 1945-50.
- Bally, John** — see *Reipurth, Bo*, **114** (2), 757-80.
- see *O'Dell, C. R.*, **114** (5), 2016-28.
- see *Devine, David*, **114** (5), 2095-111.
- see *Reipurth, Bo*, **114** (6), 2708-35.
- Balog, Z.** — Baade-Wesselink radius determination of Type II Cepheids — Z. Balog, J. Vinkó, and G. Kaszás; **113** (5), 1833-40.
- Barbuy, B.** — see *Bruzual A., G.*, **114** (4), 1531-8.
- Barbuy, Beatriz** — see *Castro, Sandra*, **114** (1), 376-87.
- Barcons, Xavier** — see *Lanzetta, Kenneth M.*, **114** (4), 1337-44.
- Barlow, D. J.** — see *Fekel, Francis C.*, **113** (3), 1095-105.
- Barlow, Thomas A.** — Keck high resolution spectroscopy of PKS 0123+257: Intrinsic absorption in a radio-loud quasar — Thomas A. Barlow and W. L. W. Sargent; **113** (1), 136-43.
- Barnéoud, Rémi** — see *Coziol, Roger*, **113** (5), 1548-58.
- Barnes, Sydney** — see *Kochurina-Platais, Vera*, **113** (3), 1045-56.
- Barrett, Paul** — see *Schlegel, Eric M.*, **113** (4), 1296-309.
- Barstow, Martin A.** — see *Sion, Edward M.*, **113** (1), 364-72.

- Barth, Aaron J.** — Ultraviolet emission from the LINER nucleus of NGC 6500 — Aaron J. Barth, Gail A. Reichert, Luis C. Ho, Joseph C. Shields, Alexei V. Filippenko, and Elizabeth M. Puchanawicz; **114** (6), 2313-22.
- Barthes, D.** — Erratum: "Time-frequency analysis and pulsation modes of LPV stars. I. O Ceti" [Astron. J., **113**, 373 (1997)] — D. Barthes and J. A. Mattei; **114** (2), 859-60 (E).
- Barthès, D.** — Time-frequency analysis and pulsation modes of LPV stars. I. O Ceti — D. Barthès and J. A. Mattei; **113** (1), 373-90.
- Barton, Ian J.** — Deep surface photometry of spiral galaxy NGC 5383: Observational techniques and halo constraints — Ian J. Barton and Laird A. Thompson; **114** (2), 655-68.
- Barvainis, Richard** — Radio spectra of radio quiet quasars. II. Broad absorption line quasars — Richard Barvainis and Colin Lonsdale; **113** (1), 144-7.
- Basri, G.** — see *Oppenheimer, B. R.*, **113** (1), 296-305.
- Basri, Gabor** — see *Mathieu, Robert D.*, **113** (5), 1841-54.
- The classical T Tauri spectroscopic binary DQ Tau. II. Emission line variations with orbital phase — Gabor Basri, Christopher M. Johns-Krull, and Robert D. Mathieu; **114** (2), 781-92.
- Baum, Stefi A.** — see *O'Dea, Christopher P.*, **113** (1), 148-61.
- Baum, William A.** — Distance to the Coma Cluster and a value for H_0 inferred from globular clusters in IC 4051 — William A. Baum, Mark Hammergren, Bjarne Thomsen, Edward J. Groth, Sandra M. Faber, Carl J. Grillmair, and Edward A. Ajhar; **113** (5), 1483-94.
- Beasley, Anthony J.** — see *Butler, Bryan J.*, **113** (4), 1429-32.
- Beauchamp, Dominique** — The stellar populations of spiral disks. I. A new observational approach: Description of the technique and spectral gradients for the inter-arm regions of NGC 4321 (M100) — Dominique Beauchamp and Eduardo Hardy; **113** (5), 1666-77.
- Beaver, E. A.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Bechtold, Jill** — see *Frayser, David T.*, **113** (2), 562-8.
- Beck, S. C.** — The infrared nucleus of the Wolf-Rayet galaxy Henize 2-10 — S. C. Beck, D. M. Kelly, and J. H. Lacy; **114** (2), 585-91.
- Becker, A. C.** — see *Alcock, C.*, **114** (1), 326-40.
- Becker, Robert H.** — see *Bischof, Otto B.*, **113** (6), 2000-5.
- Becklin, E. E.** — see *Zuckerman, B.*, **113** (2), 764-6.
- see *Zuckerman, B.*, **114** (2), 805-7.
- Beck-Winchatz, B.** — see *Böhm-Vitense, E.*, **114** (3), 1176-82.
- Beckwith, S. V. W.** — see *Herbst, T. M.*, **114** (2), 744-56.
- Beers, Timothy C.** — see *Kriessler, Jeffrey R.*, **113** (1), 80-100.
- Belbruno, Edward** — Resonance hopping in comets — Edward Belbruno and Brian G. Marsden; **113** (4), 1433-44.
- Bell, Roger A.** — see *Harris, William E.*, **114** (3), 1030-42.
- Bellazzini, M.** — see *Buonanno, R.*, **113** (2), 706-12.
- Belton, Michael J. S.** — see *Meech, Karen J.*, **113** (2), 844-62.
- Bender, Ralf** — see *Burstein, David*, **114** (4), 1365-92.
- Benedict, G. F.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Benetti, Stefano** — see *Duerbeck, Hilmar W.*, **114** (4), 1657-65.
- Benítez, Narciso** — see *Ferreras, Ignacio*, **113** (5), 1728-35.
- Bennett, D. P.** — see *Alcock, C.*, **114** (1), 326-40.
- Benson, J. A.** — Multichannel optical aperture synthesis imaging of ζ^1 Ursae Majoris with the Navy Prototype Optical Interferometer — J. A. Benson, D. J. Hutter, N. M. Elias, II, P. F. Bowers, K. J. Johnston, A. R. Hajian, J. T. Armstrong, D. Mozurkewich, T. A. Pauls, L. J. Rickard, C. A. Hummel, N. M. White, D. Black, and C. S. Denison; **114** (3), 1221-6.
- see *van Belle, G. T.*, **114** (5), 2150-6.
- Bergbusch, Peter A.** — Distance-independent absolute globular cluster ages from the color distribution of subgiant-branch stars — Peter A. Bergbusch and Don A. Vandenberg; **114** (6), 2604-10.
- Berlind, Andreas A.** — The extinction law in an occulting galaxy — Andreas A. Berlind, A. C. Quillen, R. W. Pogge, and K. Sellgren; **114** (1), 107-14.
- Bernstein, Gary** — see *Fischer, Philippe*, **113** (2), 521-30.
- Bernstein, Gary M.** — see *Raychaudhury, Somak*, **113** (6), 2046-53.
- Bertelli, G.** — see *Aparicio, A.*, **114** (2), 669-79.
- see *Aparicio, A.*, **114** (2), 680-93.
- Bertola, F.** — see *Morgan, R.*, **113** (3), 937-49.
- Bessell, Michael S.** — see *Sung, Hwankyung*, **114** (6), 2644-57.
- Bica, E.** — see *Bruzual A., G.*, **114** (4), 1531-8.
- Bica, Eduardo** — see *Geisler, Doug*, **114** (5), 1920-32.
- Bida, T.** — see *Zuckerman, B.*, **113** (2), 764-6.
- Bischof, Otto B.** — Radio observations of 4079 quasars — Otto B. Bischof and Robert H. Becker; **113** (6), 2000-5.
- Bjorkman, K. S.** — see *Fox, G. K.*, **113** (3), 1152-7.
- see *Fox, G. K.*, **113** (3), 1158-65.
- see *Johnson, J. J.*, **113** (6), 2200-8.
- Black, D.** — see *Benson, J. A.*, **114** (3), 1221-6.
- Blakeslee, John P.** — Globular clusters in 19 northern Abell clusters — John P. Blakeslee, John L. Tonry, and Mark R. Metzger; **114** (2), 482-506.
- see *Ajhar, Edward A.*, **114** (2), 626-34.
- Blanco, Betty M.** — RR Lyrae variables in a new galactic bulge window — Betty M. Blanco and V. M. Blanco; **114** (6), 2596-603.
- Blanco, V. M.** — see *Blanco, Betty M.*, **114** (6), 2596-603.
- Blandford, Roger D.** — see *Kundić, Tomislav*, **114** (2), 507-10.
- see *Kundić, Tomislav*, **114** (6), 2276-83.
- Blum, R. D.** — see *Ramírez, S. V.*, **113** (4), 1411-20.
- H-band spectroscopic classification of OB stars — R. D. Blum, T. M. Ramond, P. S. Conti, D. F. Figer, and K. Sellgren; **113** (5), 1855-9.
- Boehringer, H.** — see *Henry, J. P.*, **114** (4), 1293-6.
- Boesgaard, Ann Merchant** — see *King, Jeremy R.*, **113** (5), 1871-83.
- Boggess, A.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Bohigas, Joaquin** — see *Tapia, Mauricio*, **113** (5), 1769-87.
- Bohlin, Ralph** — see *Colina, Luis*, **113** (3), 1138-44.
- Bohlin, Ralph C.** — see *Cornett, Robert H.*, **113** (3), 1011-21.
- see *Fanelli, Michael N.*, **114** (2), 575-84.
- see *Calzetti, Daniela*, **114** (5), 1834-49.
- see *O'Connell, Robert W.*, **114** (5), 1982-91.
- Böhm-Vitense, E.** — The dynamical mass of the beat Cepheid Y Carinae and stellar opacities — E. Böhm-Vitense, N. R. Evans, K. Carpenter, S. Morgan, B. Beck-Winchatz, and R. Robinson; **114** (3), 1176-82.
- Böhm-Vitense, Erika** — The first steps of the extragalactic distance ladder — Erika Böhm-Vitense; **113** (1), 13-21.
- Böker, Torsten** — Near-infrared imaging spectroscopy of IC 342: Evolution of a bar-driven central starburst — Torsten Böker, Natascha M. Förster-Schreiber, and Reinhard Genzel; **114** (5), 1883-98.
- Bolte, Michael** — see *Harris, William E.*, **114** (3), 1030-42.
- Bomans, Dominik J.** — Hot interstellar gas in the irregular galaxy NGC 4449 — Dominik J. Bomans, You-Hua Chu, and Ulrich Hopp; **113** (5), 1678-90.
- Bond, Howard E.** — see *Harris, William E.*, **114** (3), 1030-42.
- Bono, Giuseppe** — Evolutionary scenario for metal-poor pulsating stars. II. Anomalous Cepheids — Giuseppe Bono, Filippina Caputo, Patrizia Santolamazza, Santi Cassisi, and Anna Piersimoni; **113** (6), 2209-18.
- Borczyk, W.** — see *Mottola, S.*, **114** (3), 1234-45.
- Borissova, J.** — Stellar photometry of the globular cluster NGC 6229. I. Data reduction and morphology of the brighter part of the CMD — J. Borissova, M. Catelan, N. Spassova, and A. V. Sweigart; **113** (2), 692-705.
- Borkowski, Kazimierz J.** — see *Harrington, J. Patrick*, **113** (6), 2147-57.
- Boroson, Todd A.** — see *Morrison, Heather L.*, **113** (6), 2061-74.
- Bothun, G. D.** — see *O'Neil, Karen*, **113** (4), 1212-38.
- see *von Hippel, Ted*, **114** (3), 1154-64.
- see *Pickering, T. E.*, **114** (5), 1858-82.
- see *O'Neil, Karen*, **114** (6), 2448-62.
- Bowers, P. F.** — see *Benson, J. A.*, **114** (3), 1221-6.
- Bowyer, Stuart** — see *Vennes, Stéphane*, **114** (4), 1567-72.
- Bozayan, E. P.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Bradley, Paul A.** — see *Templeton, Matthew R.*, **114** (4), 1592-601.
- Brandner, Wolfgang** — see *Sterzik, Michael F.*, **114** (4), 1555-66.
- Brandt, J. C.** — Observations of 3C 273 with the Goddard High Resolution Spectrograph on the Hubble Space Telescope. II — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, M. Snow, C. E. Randall, T. M. Tripp, T. B. Ake, D. M. Crenshaw, and F. C. Bruhweiler; **114** (2), 554-64.
- Bregman, Joel N.** — see *Schulman, Eric*, **113** (5), 1559-68.
- Bresolin, Fabio** — UBV and H α photometry of H II regions and OB associations in galaxies: A test for a variable IMF — Fabio Bresolin and Robert C. Kennicutt, Jr.; **113** (3), 975-80.
- Briceño, César** — X-ray surveys and the post-T Tauri problem — César Briceño, Lee W. Hartmann, John R. Stauffer, Marc Gagné, Robert A. Stern, and Jean-Pierre Caillault; **113** (2), 740-51.
- see *Alves, João*, **113** (4), 1395-405.
- Briel, U. G.** — see *Henry, J. P.*, **114** (4), 1293-6.
- Briggs, F. H.** — Warm neutral gas at redshift $z=3.4$ — F. H. Briggs, E. Brinks, and A. M. Wolfe; **113** (2), 467-73.
- Briley, Michael M.** — Isotopic carbon abundances in M71 — Michael M. Briley, Verne V. Smith, Jeremy King, and David L. Lambert; **113** (1), 306-10.
- CN and CH Band Strengths of 283 47 Tucanae Giants — Michael M. Briley; **114** (3), 1051-9.

- Brinks, E.** — see *Briggs, F. H.*, **113** (2), 467-73.
Brinks, Elias — see *Schulman, Eric*, **113** (5), 1559-68.
 — see *Walter, Fabian*, **113** (6), 2031-45.
 — see *Kaufman, Michele*, **114** (6), 2323-49.
Brodie, Jean P. — see *Forbes, Duncan A.*, **113** (3), 887-94.
 — see *Forbes, Duncan A.*, **113** (5), 1652-65.
Broels, Adrick H. — see *van Zee, Liese*, **113** (5), 1618-37.
Brown, Jeffrey A. — High-resolution CCD spectra of stars in globular clusters. IX. The "young" clusters Ruprecht 106 and Pal 12 — Jeffrey A. Brown, George Wallerstein, and Daniel Zucker; **114** (1), 180-8.
Bruhweiler, F. C. — see *Brandt, J. C.*, **114** (2), 554-64.
Bruhweiler, Frederick C. — see *Smith Neubig, Margaret M.*, **114** (5), 1951-63.
Bruzual A., G. — Matching stellar population models to bulge globular clusters — G. Bruzual A., B. Barbuy, S. Ortolani, E. Bica, F. Cuisinier, T. Lejeune, and R. P. Schiavon; **114** (4), 1531-8.
Budding, Edwin — see *Kim, Chun-Hwey*, **114** (6), 2753-63.
Buie, M. W. — see *Stern, S. A.*, **113** (2), 827-43.
 — see *Mottola, S.*, **114** (3), 1234-45.
Buie, Marc W. — see *Meech, Karen J.*, **113** (2), 844-62.
Buonanno, R. — Horizontal Branch morphology in Galactic globular clusters: Dense environment is "a" second parameter — R. Buonanno, C. Corsi, M. Bellazzini, F. R. Ferraro, and F. Fusi Pecci; **113** (2), 706-12.
Burke, B. F. — see *Lehar, J.*, **114** (1), 48-53.
Burles, Scott — The neutral hydrogen column density towards Q1937-1009 from the unabsorbed intrinsic continuum in the Lyman- α forest — Scott Burles and David Tytler; **114** (4), 1330-6.
Burns, J. O. — see *Gómez, P. L.*, **114** (5), 1711-27.
Burns, Jack O. — see *Fernini, Ilias*, **114** (6), 2292-312.
Burrows, C. — see *Han, M.*, **113** (3), 1001-10.
Burrows, Christopher J. — see *Holtzman, Jon A.*, **113** (2), 656-68.
 — see *Cole, Andrew A.*, **114** (5), 1945-50.
Burstein, David — see *Clampitt, Lori*, **114** (2), 699-712.
 — Global relationships among the physical properties of stellar systems — David Burstein, Ralf Bender, S. M. Faber, and R. Nolthenius; **114** (4), 1365-92.
 — see *Odehahn, Stephen C.*, **114** (6), 2219-31.
Burton, Michael G. — see *Schwartz, Richard D.*, **114** (1), 272-9.
 — see *O'Dell, C. R.*, **114** (2), 730-43.
 — see *Wilking, Bruce A.*, **114** (5), 2029-42.
Buscher, D. F. — see *Hutter, D. J.*, **114** (6), 2822-33.
Buta, Ronald J. — see *McCall, Marshall L.*, **113** (3), 981-4.
Butler, Bryan J. — The occultation of the QSO J0237+2848 by comet C/1996 B2 (Hyakutake) — Bryan J. Butler, Anthony J. Beasley, J. M. Wrobel, and Patrick Palmer; **113** (4), 1429-32.
Butler, N. — see *Romanishin, W.*, **113** (5), 1893-8.
Butterworth, Steven T. — see *Perrett, Kathryn M.*, **113** (3), 895-904.
Byun, Yong-Ik — see *Faber, S. M.*, **114** (5), 1771-96.
- C**
- Cabrera-Cañó, Jesús** — see *Delgado, Antonio J.*, **113** (2), 713-21.
Caccianiga, Alessandro — Optical spectroscopy of the unusual galaxy J2310-43 — Alessandro Caccianiga and Tommaso Maccacaro; **114** (6), 2350-2.
Caillault, Jean-Pierre — see *Briceno, César*, **113** (2), 740-51.
Caldwell, Nelson — The Butcher-Oemler effect at low redshift: Spectroscopy of five nearby clusters of galaxies — Nelson Caldwell and James A. Rose; **113** (2), 492-520.
Calvet, Nuria — see *Meyer, Michael R.*, **114** (1), 288-300.
Calzetti, Daniela — Reddening and star formation in starburst galaxies — Daniela Calzetti; **113** (1), 162-84.
 — see *Schmitt, Henrique R.*, **114** (2), 592-612.
 — Dust and recent star formation in the core of NGC 5253 — Daniela Calzetti, Gerhard R. Meurer, Ralph C. Bohlin, Donald R. Garnett, Anne L. Kinney, Claus Leitherer, and Thaisa Storchi-Bergmann; **114** (5), 1834-49.
Campbell-Wilson, D. — see *Tingay, S. J.*, **113** (6), 2025-30.
Campusano, Luis E. — see *Dale, Daniel A.*, **114** (2), 455-73.
Canto, J. — see *Curiel, S.*, **114** (6), 2736-46.
Cao, Yu — see *Noriega-Crespo, Alberto*, **114** (2), 837-40.
Capaccioli, Massimo — see *Musella, Ilaria*, **114** (3), 976-87.
Caputo, Filippina — see *Bono, Giuseppe*, **113** (6), 2209-18.
Carignan, Claude — see *Scotte, Vincent*, **113** (2), 609-17.
 — NGC 5084: A massive disk galaxy accreting its satellites? — Claude Carignan, Stéphanie Côté, Kenneth C. Freeman, and Peter J. Quinn; **113** (5), 1585-90.
 — see *Côté, Stéphanie*, **114** (4), 1313-29.
Carini, Michael T. — see *Noble, John C.*, **113** (6), 1995-9.
Carney, B. W. — see *Fry, A. M.*, **113** (3), 1073-87.
Carney, Bruce W. — Discovery of an "a" element-poor halo star in a search for very low-metallicity disk stars — Bruce W. Carney, Jeffrey S. Wright, Chris Sneden, John B. Laird, Luis A. Aguilar, and David W. Latham; **114** (1), 363-75.
Carollo, C. M. — Spiral galaxies with WFPC2. I. Nuclear morphology, bulges, star clusters, and surface brightness profiles — C. M. Carollo, M. Stiavelli, P. T. de Zeeuw, and J. Mack; **114** (6), 2366-80.
Carpenter, John M. — Properties of the Monoceros R2 stellar cluster — John M. Carpenter, Michael R. Meyer, Catherine Dougados, Stephen E. Strom, and Lynne A. Hillenbrand; **114** (1), 198-221.
 — Erratum: "Properties of the Monoceros R2 stellar cluster" [Astron. J. **114**, 198 (1997)] — John M. Carpenter, Michael R. Meyer, Catherine Dougados, Stephen E. Strom, and Lynne A. Hillenbrand; **114** (3), 1275 (E).
Carpenter, K. — see *Böhm-Vitense, E.*, **114** (3), 1176-82.
Carpenter, K. G. — see *Brandt, J. C.*, **114** (2), 554-64.
Carrasco, L. — Spectral observations of faint Markarian galaxies of the second Byurakan Survey — L. Carrasco, A. Serrano, H. M. Tovmassian, J. A. Stepanian, V. H. Chavushyan, and L. K. Erastova; **113** (5), 1527-36.
Carrasco, Luis — see *Garilli, Bianca*, **113** (6), 1973-82.
Carriagán, Brian J. — see *Samec, Ronald G.*, **113** (1), 401-6.
 — see *Samec, Ronald G.*, **113** (2), 800-5.
 — see *Gray, Jamison D.*, **113** (6), 2270-5.
Casertano, Stefano — see *Cole, Andrew A.*, **114** (5), 1945-50.
Cassisi, Santi — see *Bono, Giuseppe*, **113** (6), 2209-18.
Castelaz, Michael W. — Spectroscopy of Mira variables at different phases — Michael W. Castelaz and Donald G. Luttermoser; **114** (4), 1584-91.
Castro, Sandra — High-resolution abundance analysis of very metal-rich stars in the solar neighborhood — Sandra Castro, R. Michael Rich, Michel Grenon, Beatriz Barbuy, and James K. McCarthy; **114** (1), 376-87.
Catelan, M. — see *Borisova, J.*, **113** (2), 692-705.
Cellone, Sergio A. — The peculiar morphology of the irregular galaxy NGC 1427A — Sergio A. Cellone and Juan Carlos Forte; **113** (4), 1239-49.
Chakraborty, A. — Kinematics of the Hourglass region in the Lagoon nebula — A. Chakraborty and B. G. Anandarao; **114** (4), 1576-83.
Challis, P. — see *Riess, A. G.*, **114** (2), 722-9.
Chandrasekhar, T. — see *Kamath, U. S.*, **114** (6), 2671-8.
Chavushyan, V. H. — see *Carrasco, L.*, **113** (5), 1527-36.
Chen, B. — Kinematics and chemical properties of the Galaxy in the vicinity of the North Galactic Pole — B. Chen; **113** (1), 311-20.
Chen, Hsiao-Wen — see *Lanzetta, Kenneth M.*, **114** (4), 1337-44.
Chen, W. P. — Infrared point sources identified by lunar occultation observations — W. P. Chen and M. Simon; **113** (2), 752-4.
Cheng, F. H. — HST synthetic spectral analysis of U Gem in early and late quiescence: A heated white dwarf and accretion belt? — F. H. Cheng, E. M. Sion, Keith Horne, I. Hubeny, M. Huang, and S. D. Vrilek; **114** (3), 1165-9.
Cheng, Kwang-Peng — see *Cornett, Robert H.*, **113** (3), 1011-21.
Chengalur, Jayaram N. — see *Nordgren, Tyler E.*, **114** (1), 77-93.
 — see *Nordgren, Tyler E.*, **114** (3), 913-31.
Chincarini, G. — see *Saracco, P.*, **114** (3), 887-97.
Chiorny, V. G. — see *Mottola, S.*, **114** (3), 1234-45.
Chiosi, C. — see *Dohm-Palmer, Robbie C.*, **114** (6), 2514-26.
 — see *Dohm-Palmer, Robbie C.*, **114** (6), 2527-44.
Christian, Damian J. — see *Craig, Nahide*, **114** (1), 244-57.
Chromey, Frederick R. — see *Elmegreen, Debra Meloy*, **114** (5), 1850-7.
Chu, You-Hua — see *Bomans, Dominik J.*, **113** (5), 1678-90.
 — Supernova remnants in OB associations — You-Hua Chu; **113** (5), 1815-32.
Clampitt, Lori — Spectrophotometry of 237 stars in 7 open clusters — Lori Clampitt and David Burstein; **114** (2), 699-712.
Clariá, Juan J. — see *Geisler, Doug*, **114** (5), 1920-32.
Clarke, J. — see *Han, M.*, **113** (3), 1001-10.
Clarke, John T. — see *Holtzman, Jon A.*, **113** (2), 656-68.
 — see *Cole, Andrew A.*, **114** (5), 1945-50.
Clausen, Jens V. — see *Torres, Guillermo*, **114** (6), 2764-77.
Claver, C. F. — see *Sarajedini, Ata*, **114** (6), 2505-13.
Clayton, G. C. — see *Johnson, J. J.*, **113** (6), 2200-8.
Clayton, Geoffrey C. — Ultraviolet interstellar linear polarization. IV. Cross-calibration between the Wisconsin Ultraviolet Photo-Polarimeter Experiment and the Faint Object Spectrograph — Geoffrey

- C. Clayton, Michael J. Wolff, R. G. Allen, B. L. Babler, M. R. Meade, Kenneth H. Nordsieck, C. M. Anderson, P. G. Martin, and D. C. B. Whittet; **114** (3), 1132-7.
- The evolution of the final helium shell flash star V605 Aquilae, from 1917 to 1997 — Geoffrey C. Clayton and Orsola De Marco; **114** (6), 2679-85.
- Clemens, D. P.** — see Kane, B. D., **113** (5), 1799-814.
- Clement, Christine M.** — The structure of the light curves of the RR Lyrae variables in the Oosterhoff type I cluster NGC 6171 — Christine M. Clement and Ian Shelton; **113** (5), 1711-22.
- see Garcia-Melendo, Enrique, **114** (3), 1190-4.
- Clocchiatti, A.** — see Riess, A. G., **114** (2), 722-9.
- Close, Laird M.** — see Mutz, Steven B., **113** (5), 1537-47.
- Clowe, D. I.** — see Henry, J. P., **114** (4), 1293-6.
- Code, A. D.** — see Fox, G. K., **113** (3), 1152-7.
- see Fox, G. K., **113** (3), 1158-65.
- see Johnson, J. J., **113** (6), 2200-8.
- Cohen, J. G.** — Blue horizontal branch stars in M92 — J. G. Cohen and J. K. McCarthy; **113** (4), 1353-8.
- Cohen, Judith G.** — see Kundić, Tomislav, **114** (2), 507-10.
- see Kundić, Tomislav, **114** (6), 2276-83.
- Cohen, Randi L.** — Globular cluster photometry with the *Hubble Space Telescope*. VI. WF/PC-I observations of the stellar populations in the core of M13 (NGC 6205) — Randi L. Cohen, Paragra Guhathakurta, Brian Yanny, Donald P. Schneider, and John N. Bahcall; **113** (2), 669-81.
- Cole, Andrew A.** — Ultraviolet color-magnitude diagram studies of intermediate age Large Magellanic Cloud star clusters. I. NGC 1783 — Andrew A. Cole, John S. Gallagher, III, Wendy L. Freedman, and Randy Phelps; **113** (5), 1700-10.
- Far-Ultraviolet Imaging of the Large Magellanic Cloud populous cluster NGC 1978 with WFC2 — Andrew A. Cole, Jeremy R. Mould, John S. Gallagher, III, John T. Clarke, John T. Trauger, Gilda E. Ballester, Christopher J. Burrows, Stefano Casertano, David Crisp, Richard Griffiths, J. Jeff Hester, John G. Hoessel, Jon A. Holtzman, Paul A. Scowen, Karl R. Stapelfeldt, and James A. Westphal; **114** (5), 1945-50.
- Colina, Luis** — Absolute flux distributions of solar analogs from the UV to the near-IR — Luis Colina and Ralph Bohlin; **113** (3), 1138-44.
- Collins, Nicholas** — see Fanelli, Michael N., **114** (2), 575-84.
- Colwell, Joshua E.** — see Stern, S. Alan, **114** (2), 841-9.
- Combes, F.** — see Arnaboldi, M., **113** (2), 585-98.
- Conner, S. R.** — see Lehar, J., **114** (1), 48-53.
- Conti, P. S.** — see Blum, R. D., **113** (5), 1855-9.
- Cook, K. H.** — see Alcock, C., **114** (1), 326-40.
- Cool, Adrienne M.** — see Pionto, Giampaolo, **113** (4), 1345-52.
- Cornell, Mark E.** — see O'Neil, Karen, **113** (4), 1212-38.
- see O'Neil, Karen, **114** (6), 2448-62.
- Cornett, Robert H.** — *UIT*: Ultraviolet observations of the Small Magellanic Cloud — Robert H. Cornett, Michael R. Greason, Jesse K. Hill, Joel Wm. Parker, William H. Waller, Ralph C. Bohlin, Kwang-Peng Cheng, Susan G. Neff, Robert W. O'Connell, Morton S. Roberts, Andrew M. Smith, and Theodore P. Stecher; **113** (3), 1011-21.
- Corral, L. J.** — see Tovmassian, H. M., **113** (5), 1888-92.
- Corsi, C.** — see Buonanno, R., **113** (2), 706-12.
- Costa, M. E.** — see Tingay, S. J., **113** (6), 2025-30.
- see Shen, Z.-Q., **114** (5), 1999-2015.
- Côté, Stéphanie** — see Carignan, Claude, **113** (5), 1585-90.
- Discovery of numerous dwarf galaxies in the two nearest groups of galaxies — Stéphanie Côté, Kenneth C. Freeman, Claude Carignan, and Peter J. Quinn; **114** (4), 1313-29.
- Courteau, Stéphane** — Optical rotation curves and linewidths for Tully-Fisher applications — Stéphane Courteau; **114** (6), 2402-27.
- Cowie, Lennox L.** — see Kim, Tae-Sun, **114** (1), 1-13.
- Cowley, A. P.** — see Crampton, David, **114** (6), 2353-65.
- Cox, Arthur N.** — see Templeton, Matthew R., **114** (4), 1592-601.
- Coziol, Roger** — The Montreal Blue Galaxy survey. III. Third list of UV-bright candidates — Roger Coziol, Serge Demers, Rémi Barnéoud, and Miriam Peña; **113** (5), 1548-58.
- Craig, Nahide** — see Howell, Steve B., **113** (6), 2231-41.
- *Extreme Ultraviolet Explorer* optical identification campaign. III. A Southern Hemisphere sample of active late-type stars and white dwarfs — Nahide Craig, Damian J. Christian, Jean Dupuis, and Bryce A. Roberts; **114** (1), 244-57.
- Optical identification of joint *EUVE* and *ROSAT* detections in the southern hemisphere: Soft active galactic nuclei — Nahide Craig and Antonella Fruscione; **114** (4), 1356-64.
- Crampton, D.** — see Davidge, T. J., **113** (6), 2094-103.
- see Davidge, T. J., **114** (6), 2586-95.
- Crampton, David** — Probes for nearby galaxies — David Crampton, G. Gussie, A. P. Cowley, and P. C. Schmidtke; **114** (6), 2353-65.
- Crenshaw, D. M.** — see Brandt, J. C., **114** (2), 554-64.
- Crifo, F.** — see Hemenway, P. D., **114** (6), 2796-810.
- Crisp, D.** — see Han, M., **113** (3), 1001-10.
- Crisp, David** — see Holtzman, Jon A., **113** (2), 656-68.
- see Cole, Andrew A., **114** (5), 1945-50.
- Cristiani, Stefano** — see La Franca, Fabio, **113** (5), 1517-26.
- Crute, Czernic** — see Harris, William E., **113** (2), 688-91.
- Cruzen, S.** — see Sage, L. J., **114** (5), 1753-7.
- Cruzen, Shawn T.** — Photometry of galaxies in the Bootes Void — Shawn T. Cruzen, Donna Weistrop, and Charles G. Hoopes; **113** (6), 1983-94.
- Cuisinier, F.** — see Bruzual A., G., **114** (4), 1531-8.
- Cunha, Katia** — see King, Jeremy R., **113** (5), 1871-83.
- Curiel, S.** — *HST* images of the high-excitation Herbig-Haro object HH 32 — S. Curiel, A. Raga, J. Raymond, A. Noriega-Crespo, and J. Canto; **114** (6), 2736-46.

D

- da Costa, L. Nicolaci** — see Marzke, Ronald O., **113** (1), 185-96.
- da Costa, Luiz N.** — see Giovanelli, Riccardo, **113** (1), 22-52.
- see Giovanelli, Riccardo, **113** (1), 53-79.
- Dalcanton, J. J.** — see Aparicio, A., **114** (4), 1447-57.
- Dalcanton, Julianne J.** — The number density of low-surface brightness galaxies with $23 < \mu_0 < 25$ V mag/arcsec² — Julianne J. Dalcanton, David N. Spergel, James E. Gunn, Maarten Schmidt, and Donald P. Schneider; **114** (2), 635-54.
- Erratum: "The number density of low-surface brightness galaxies with $25 < \mu_0 < 25$ V mag/arcsec²" [Astron. J., **114**, 635 (1997)] — Julianne J. Dalcanton, David N. Spergel, James E. Gunn, Maarten Schmidt, and Donald P. Schneider; **114** (5), 2178 (E).
- Dale, Daniel A.** — Seeking the local convergence depth. I. Tully-Fisher observations of the clusters A168, A397, A569, A1139, A1228, and A1983 — Daniel A. Dale, Riccardo Giovanelli, Martha P. Haynes, Marco Scoddeggio, Eduardo Hardy, and Luis E. Campusano; **114** (2), 455-73.
- Davidge, T. J.** — The inner bulge of M31 — T. J. Davidge; **113** (3), 985-1000.
- High spatial resolution near-infrared imaging of the central regions of M31 — T. J. Davidge, F. Rigaut, R. Doyon, and D. Crampton; **113** (6), 2094-103.
- The stellar content near the Galactic Center — T. J. Davidge, D. A. Simons, F. Rigaut, R. Doyon, and D. Crampton; **114** (6), 2586-95.
- Davidson, Kris** — *HST*/GHRS observations of the compact slow ejecta of Eta Carinae — Kris Davidson, Dennis Ebbets, Sverneric Johansson, Jon A. Morse, Frederick W. Hamann, Bruce Balick, Roberta M. Humphreys, Gerd Weigelt, and Adam Frank; **113** (1), 335-45.
- see Humphreys, Roberta M., **114** (6), 2778-88.
- Davies, J. K.** — see Mottola, S., **114** (3), 1234-45.
- Davis, Davis S.** — Gravitational interactions in poor galaxy groups — Davis S. Davis, William C. Keel, John S. Mulchaey, and Patricia A. Henning; **114** (2), 613-25.
- de Freitas Pacheco, J. A.** — see Idiart, T. P., **113** (3), 1066-72.
- Deguchi, S.** — see Jiang, B. W., **113** (4), 1315-27.
- Delgado, Antonio J.** — CCD Strömgren photometry of young reddened clusters — Antonio J. Delgado, Emilio J. Alfaro, and Jesús Cabrera-Caño; **113** (2), 713-21.
- Deliyannis, Constantine P.** — see King, Jeremy R., **113** (5), 1871-83.
- De Marco, Orsola** — see Clayton, Geoffrey C., **114** (6), 2679-85.
- Demarque, Pierre** — see Kozhurina-Platais, Vera, **113** (3), 1045-56.
- Demers, Serge** — see Coziol, Roger, **113** (5), 1548-58.
- Demircan, Osman** — see Kim, Chun-Hwey, **114** (6), 2753-63.
- Dempsey, Robert C.** — Erratum: "Multiwavelength observations of two moderate rotation RS CVn Systems: V815 Herculis and IM Pegasi" [Astron. J. **111**, 1356 (1996)] — Robert C. Dempsey, James E. Neff, Douglas O'Neal, and Katalin Olah; **113** (2), 871 (E).
- Denison, C. S.** — see Benson, J. A., **114** (3), 1221-6.
- DePoy, D. L.** — see Ramirez, S. V., **113** (4), 1411-20.
- de Souza, R. E.** — see Vaceli, M. S., **114** (4), 1345-55.
- Devereux, Nicholas A.** — *Ha*, far-infrared and thermal radio continuum emission within the late-type spiral galaxy M33 — Nicholas A. Devereux, Neb Duric, and Paul A. Scowen; **113** (1), 236-48.
- Massive star formation along the Hubble sequence — Nicholas A. Devereux and Salman Hameed; **113** (2), 599-608.

- Devine, David** — Kinematics and evolution of the giant HH34 complex — David Devine, John Bally, Bo Reipurth, and Steve Heathcote; **114** (5), 2095-111.
— see *Reipurth, Bo*, **114** (6), 2708-35.
- Dey, Arjun** — see *Stanford, S. A.*, **114** (6), 2232-9.
- de Zeeuw, P. T.** — see *Carollo, C. M.*, **114** (6), 2366-80.
- Dgani, Ruth** — see *Noriega-Crespo, Alberto*, **113** (2), 780-6.
— see *Noriega-Crespo, Alberto*, **114** (2), 837-40.
- Dickey, J. M.** — see *Lavezzi, T. E.*, **114** (6), 2437-47.
- Dickey, John M.** — A VLA survey of the Hercules Cluster. I. The H I data — John M. Dickey; **113** (6), 1939-72.
- Di Martino, M.** — see *Mottola, S.*, **114** (3), 1234-45.
- Dinescu, Dana I.** — Space velocities of southern globular clusters. I. Astrometric techniques and first results — Dana I. Dinescu, Terrence M. Girard, William F. van Altena, René A. Méndez, and Carlos E. López; **114** (3), 1014-29.
- Dohm-Palmer, Robbie C.** — The dwarf irregular galaxy Sextans A. I. HST photometry of the resolved stars — Robbie C. Dohm-Palmer, Evan D. Skillman, A. Saha, E. Tolstoy, Mario Mateo, J. Gallagher, J. Hoessel, C. Chiosi, and R. J. Dufour; **114** (6), 2514-26.
— The dwarf irregular galaxy Sextans A. II. Recent star formation history — Robbie C. Dohm-Palmer, Evan D. Skillman, A. Saha, E. Tolstoy, Mario Mateo, J. Gallagher, J. Hoessel, C. Chiosi, and R. J. Dufour; **114** (6), 2527-44.
- Dombrowski, Edmund G.** — see *Fu, Hsieh-Hai*, **114** (4), 1623-38.
- Dorman, Ben** — see *O'Connell, Robert W.*, **114** (5), 1982-91.
- Dottori, Horacio** — see *Geisler, Doug*, **114** (5), 1920-32.
- Dougados, Catherine** — see *Carpenter, John M.*, **114** (1), 198-221.
— see *Carpenter, John M.*, **114** (3), 1275.
- Downes, Ronald A.** — see *Fesen, Robert A.*, **113** (2), 767-79.
- Doyon, R.** — see *Davidge, T. J.*, **113** (6), 2094-103.
— see *Davidge, T. J.*, **114** (6), 2586-95.
- Doyon, René** — see *Goldader, Jeffrey D.*, **113** (5), 1569-79.
- Dressler, Alan** — see *Ajhar, Edward A.*, **114** (2), 626-34.
— see *Faber, S. M.*, **114** (5), 1771-96.
- Drilling, John S.** — see *Vijapurkar, Jyotsna*, **114** (4), 1573-5.
- Dubner, G. M.** — see *Giacani, E. B.*, **113** (4), 1379-90.
- Duerbeck, Hilmar W.** — The final helium flash object Sakurai: Photometric behavior and physical characteristics — Hilmar W. Duerbeck, Stefano Benetti, Alfred Gautschi, Arnout M. van Genderen, Ciska Kemper, William Liller, and Tom Thomas; **114** (4), 1657-65.
- Dufour, R. J.** — see *Dohm-Palmer, Robbie C.*, **114** (6), 2514-26.
— see *Dohm-Palmer, Robbie C.*, **114** (6), 2527-44.
- Duncombe, R. L.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Dupuis, Jean** — see *Craig, Nahide*, **114** (1), 244-57.
- Duquenois, A.** — see *Mayor, M.*, **114** (3), 1087-97.
- Duquenois, Antoine** — see *Fekel, Francis C.*, **113** (3), 1095-105.
- Duric, Neb** — see *Devereux, Nicholas A.*, **113** (1), 236-48.
— see *Walter, Fabian*, **113** (6), 2031-45.
- Durisen, Richard H.** — see *Sterzik, Michael F.*, **114** (4), 1555-66.
- Durrell, Patrick R.** — Surface photometry of Virgo dwarf ellipticals — Patrick R. Durrell; **113** (2), 531-9.
— see *Harris, William E.*, **114** (3), 1043-50.
- Dyck, H. M.** — see *van Belle, G. T.*, **114** (5), 2150-6.

E

- Eaton, Nancy L.** — see *Kearns, Kristin E.*, **114** (3), 1098-105.
- Ebbets, D. C.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Ebbets, Dennis** — see *Davidson, Kris*, **113** (1), 335-45.
- Edgar, R. J.** — see *Fox, G. K.*, **113** (3), 1152-7.
— see *Fox, G. K.*, **113** (3), 1158-65.
— see *Johnson, J. J.*, **113** (6), 2200-8.
- Edwards, P. G.** — see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- Eggen, Olin J.** — The abundance of CN, calcium and heavy elements in high velocity stars — Olin J. Eggen; **114** (2), 825-36.
— Red horizontal branch and early asymptotic branch stars near the Sun — Olin J. Eggen; **114** (4), 1666-72.
- Eisenhardt, Peter R.** — see *Stanford, S. A.*, **114** (6), 2232-9.
- Eisloffel, Jochen** — Parsec-scale jets from young stars — Jochen Eisloffel and Reinhard Mundt; **114** (1), 280-7.
- Elias, N. M., II** — see *Benson, J. A.*, **114** (3), 1221-6.
— see *Hutter, D. J.*, **114** (6), 2822-33.
- Ellingson, Erica** — see *Hall, Patrick B.*, **113** (4), 1179-96.
- Elmegreen, Bruce G.** — see *Kaufman, Michele*, **114** (6), 2323-49.
- Elmegreen, Debra Meloy** — see *Regan, Michael W.*, **114** (3), 965-75.
— Near-infrared observations of circumnuclear star formation in NGC 3351, NGC 3504, and NGC 5248 — Debra Meloy Elmegreen, Frederick R. Chromey, Michael Santos, and Daniel Marshall; **114** (5), 1850-7.
— see *Kaufman, Michele*, **114** (6), 2323-49.
- Elston, Richard** — see *Stanford, S. A.*, **114** (6), 2232-9.
- English, Jayanne** — The ionized gas and radio halo of NGC 3432 (Arp 206) — Jayanne English and Judith A. Irwin; **113** (6), 2006-24.
- Epps, Harland W.** — Field correctors for wide-field CCD imaging with Ritchey-Chretien telescopes — Harland W. Epps and Daniel Fabricant; **113** (1), 439-45.
- Eracleous, Michael** — see *Halpern, Jules P.*, **114** (5), 1736-40.
- Erastova, L. K.** — see *Carrasco, L.*, **113** (5), 1527-36.
- Erikson, A.** — see *Mottola, S.*, **114** (3), 1234-45.
- Eskridge, Paul B.** — The nature of the x-ray point source in the bar of NGC 6822 — Paul B. Eskridge and Raymond E. White, III; **114** (3), 988-95.
- Eubanks, T. Marshall** — see *Fey, Alan L.*, **114** (6), 2284-91.
- Evans, N. R.** — see *Böhm-Vitense, E.*, **114** (3), 1176-82.
- Evans, Robin W.** — see *Holtzman, Jon A.*, **113** (2), 656-68.

F

- Faber, S. M.** — see *Grillmair, Carl J.*, **113** (1), 225-30.
— see *Burstein, David*, **114** (4), 1365-92.
— The centers of early-type galaxies with HST. IV. Central parameter relations — S. M. Faber, Scott Tremaine, Edward A. Ajhar, Yong-Ik Byun, Alan Dressler, Karl Gebhardt, Carl Grillmair, John Kormendy, Tod R. Lauer, and Douglas Richstone; **114** (5), 1771-96.
- Faber, Sandra M.** — see *Baum, William A.*, **113** (5), 1483-94.
- Fabricant, Daniel** — see *Epps, Harland W.*, **113** (1), 439-45.
- Fabricant, Daniel G.** — see *Geller, Margaret J.*, **114** (6), 2205-11.
- Fahlman, Gregory G.** — see *Harris, William E.*, **114** (3), 1030-42.
— see *Mandushev, Georgi I.*, **114** (3), 1060-6.
— see *Holland, Stephen*, **114** (4), 1488-507.
- Falco, E. E.** — see *Lehar, J.*, **114** (1), 48-53.
- Falco, Emilio E.** — HST observations and models of the gravitational lens system MG 0414+0534 — Emilio E. Falco, Joseph Lehar, and Irwin I. Shapiro; **113** (2), 540-9.
— see *Geller, Margaret J.*, **114** (6), 2205-11.
- Fall, S. Michael** — see *Whitmore, Bradley C.*, **114** (5), 1797-823.
— see *Miller, Bryan W.*, **114** (6), 2381-401.
- Fanelli, Michael N.** — An ultraviolet view of massive star formation in Seyfert host galaxies — Michael N. Fanelli, Nicholas Collins, Ralph C. Bohlin, Susan G. Neff, Robert W. O'Connell, Morton S. Roberts, Andrew M. Smith, and Theodore P. Stecher; **114** (2), 575-84.
- Farinella, P.** — The disruption of Hyperion and the origin of Titan's atmosphere — P. Farinella, F. Marzari, and S. Matteoli; **113** (6), 2312-6.
- Feigelson, Eric D.** — On "A new stellar nursery in the Southern Cross" [Astron. J., **112**, 693 (1996)] — Eric D. Feigelson and Warrick A. Lawson; **113** (6), 2130-3.
- Fekel, F. C.** — see *Lacy, C. H. S.*, **113** (3), 1088-90.
- Fekel, Francis C.** — New and improved parameters of HD 202908=ADS 14839: A spectroscopic-visual triple system — Francis C. Fekel, C. D. Scarfe, D. J. Barlow, Antoine Duquenois, Harold A. McAlister, William I. Hartkopf, Brian D. Mason, and Andrei A. Tokovinin; **113** (3), 1095-105.
— Chromospherically active stars. XVI. The double-lined binary 42 Capricorni — Francis C. Fekel; **114** (6), 2747-52.
- Ferguson, Donald H.** — A metallicity lower limit in the BE Ursae Majoris sdO/DAO atmosphere from EUVE observations — Donald H. Ferguson, Stefan Haas, Ralf Napiwotzki, James Liebert, and Richard W. Tweedy; **114** (3), 1227-9.
- Fernández-Soto, Alberto** — see *Lanzetta, Kenneth M.*, **114** (4), 1337-44.
- Fernini, Ilias** — VLA imaging of Fanaroff-Riley II 3CR radio galaxies. II. Eight new images and comparisons with 3CR quasars — Ilias Fernini, Jack O. Burns, and Rick A. Perley; **114** (6), 2292-312.
- Ferrari-Toniolo, Marco** — see *Tapia, Mauricio*, **113** (5), 1769-87.
- Ferraro, F. R.** — see *Buonanno, R.*, **113** (2), 706-12.
- Ferraz-Mello, Sylvio** — see *Gallardo, Tabaré*, **113** (2), 863-70.
- Ferreras, Ignacio** — Are optically-selected QSO catalogs biased? — Ignacio Ferreras, Narciso Benítez, and Enrique Martínez-González; **114** (5), 1728-35.
- Ferris, R. H.** — see *Shen, Z.-Q.*, **114** (5), 1999-2015.

- Fesen, Robert A.** — An optical study of the circumstellar environment around the Crab Nebula — Robert A. Fesen, J. Michael Shull, and Alan P. Hurford; **113** (1), 354-63.
- Optical imaging and spectroscopy of the galactic supernova remnants CTB 1 (G116.9+0.2), G116.5+1.1, and G114.3+0.3 — Robert A. Fesen, P. Frank Winkler, Yasser Rathore, Ronald A. Downes, Debra Wallace, and Richard W. Tweedy; **113** (2), 767-79.
- Festou, M. C.** — see *Womack, Maria*, **114** (6), 2789-95.
- Festou, Michel C.** — see *Parker, Joel Wm.*, **113** (5), 1899-908.
- Fevig, R.** — see *Tegler, S. C.*, **114** (3), 1230-3.
- see *Mottola, S.*, **114** (3), 1234-45.
- Fey, Alan L.** — The proper motion of 4C 39.25 — Alan L. Fey, T. Marshall Eubanks, and Kerry A. Kingham; **114** (6), 2284-91.
- Figer, D. F.** — see *Blum, R. D.*, **113** (5), 1855-9.
- Filippenko, A. V.** — see *Riess, A. G.*, **114** (2), 722-9.
- Filippenko, Alexei V.** — see *Harlaftis, Emilios T.*, **114** (3), 1170-5.
- see *Barth, Aaron J.*, **114** (6), 2313-22.
- Fink, U.** — see *Tegler, S. C.*, **114** (3), 1230-3.
- Fischer, Debra** — see *Jones, Burton F.*, **114** (1), 352-62.
- Fischer, Philippe** — The mass distribution of the cluster 0957+561 from gravitational lensing — Philippe Fischer, Gary Bernstein, George Rhee, and J. Anthony Tyson; **113** (2), 521-30.
- The mass distribution of the most luminous x-ray cluster RXJ 1347.5-1145 from gravitational lensing — Philippe Fischer and J. Anthony Tyson; **114** (1), 14-24.
- Fisher, David** — Kinematic profiles of S0 galaxies — David Fisher; **113** (3), 950-74.
- Fletcher, A. B.** — see *Lehár, J.*, **114** (1), 48-53.
- Fomalont, E. B.** — see *Richards, E. A.*, **113** (5), 1475-82.
- Forbes, Duncan A.** — Hubble Space Telescope imaging of the globular cluster system around NGC 5846 — Duncan A. Forbes, Jean P. Brodie, and John Huchra; **113** (3), 887-94.
- Globular clusters in the Sombbrero galaxy (NGC 4594) — Duncan A. Forbes, Carl J. Grillmair, and R. Chris Smith; **113** (5), 1648-51.
- On the origin of globular clusters in elliptical and cD galaxies — Duncan A. Forbes, Jean P. Brodie, and Carl J. Grillmair; **113** (5), 1652-65.
- Forster, Karl** — see *Halpern, Jules P.*, **114** (5), 1736-40.
- Förster-Schreiber, Natascha M.** — see *Böker, Torsten*, **114** (5), 1883-98.
- Forté, Juan Carlos** — see *Cellone, Sergio A.*, **113** (4), 1239-49.
- Fox, G. K.** — Solar system observations by the Wisconsin Ultraviolet PhotoPolarimeter Experiment. I. The first ultraviolet linear spectropolarimetry of Mars — G. K. Fox, A. D. Code, C. M. Anderson, B. L. Babler, K. S. Bjorkman, J. J. Johnson, M. R. Meade, K. H. Nordsieck, W. T. Sanders, A. J. Weitenbeck, N. E. B. Zellner, R. J. Edgar, and O. L. Lupie; **113** (3), 1152-7.
- Solar system observations by the Wisconsin Ultraviolet PhotoPolarimeter Experiment. II. The first linear ultraviolet spectropolarimetry of Io — G. K. Fox, A. D. Code, C. M. Anderson, B. L. Babler, K. S. Bjorkman, J. J. Johnson, M. R. Meade, K. H. Nordsieck, W. T. Sanders, A. J. Weitenbeck, N. E. B. Zellner, R. J. Edgar, and O. L. Lupie; **113** (3), 1158-65.
- see *Johnson, J. J.*, **113** (6), 2200-8.
- Frail, D. A.** — see *Giacani, E. B.*, **113** (4), 1379-90.
- see *Green, A. J.*, **114** (5), 2058-67.
- Frank, Adam** — see *Davidson, Kris*, **113** (1), 335-45.
- Franklin, B. E.** — see *Schmidtke, P. C.*, **113** (2), 569-84.
- Franz, O. G.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Franz, Otto G.** — see *Fu, Hsieh-Hai*, **114** (4), 1623-38.
- Frayer, David T.** — Constraining the molecular gas reservoir associated with the protogalaxy candidate MS1512-cB58 — David T. Frayer, Padeli P. Papadopoulos, Jill Bechtold, E. R. Seaquist, H. K. C. Yee, and N. Z. Scoville; **113** (2), 562-8.
- see *Irwin, Jimmy A.*, **113** (5), 1580-4.
- Fredrick, L. W.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Freedman, Wendy L.** — see *Cole, Andrew A.*, **113** (5), 1700-10.
- Freeman, K. C.** — see *Arnaboldi, M.*, **113** (2), 585-98.
- see *Alcock, C.*, **114** (1), 326-40.
- Freeman, Kenneth C.** — see *Carignan, Claude*, **113** (5), 1585-90.
- see *Côté, Stéphanie*, **114** (4), 1313-29.
- Freudling, Wolfram** — see *Giovannelli, Riccardo*, **113** (1), 22-52.
- see *Giovannelli, Riccardo*, **113** (1), 53-79.
- see *Haynes, Martha P.*, **113** (4), 1197-211.
- Fridman, Tema** — Periodic orbits in triaxial galaxies with weak cusps — Tema Fridman and David Merritt; **114** (4), 1479-87.
- Friel, Eileen D.** — see *Kassisi, Marc*, **113** (5), 1723-32.
- Frogel, Jay A.** — see *Ramirez, S. V.*, **113** (4), 1411-20.
- see *Tiede, Glenn P.*, **114** (2), 694-8.
- Fruscione, Antonella** — see *Craig, Nahide*, **114** (4), 1356-64.
- Fry, A. M.** — Chemical abundances of Galactic cepheid variables that calibrate the P-L relation — A. M. Fry and B. W. Carney; **113** (3), 1073-87.
- Fu, Hsieh-Hai** — ICDD speckle observations of binary stars. XVI. Measurements during 1982-1989 from the Perkins 1.8-m telescope — Hsieh-Hai Fu, William I. Hartkopf, Brian D. Mason, Harold A. McAlister, Edmund G. Dombrowski, Tor Westin, and Otto G. Franz; **114** (4), 1623-38.
- Fujimoto, Mistuaki** — Star clusters driven to form by strong collisions between gas clouds in high-velocity random motion — Mistuaki Fujimoto and Yasuki Kumai; **113** (1), 249-63.
- Fukushima, Toshio** — Picard iteration method, Chebyshev polynomial approximation, and global numerical integration of dynamical motions — Toshio Fukushima; **113** (5), 1909-14.
- A procedure solving the extended Kepler's equation for the hyperbolic case — Toshio Fukushima; **113** (5), 1920-4.
- Vector integration of dynamical motions by the Picard-Chebyshev method — Toshio Fukushima; **113** (6), 2325-8.
- see *Ito, Takashi*, **114** (3), 1260-7.
- see *Hosokawa, Mizuhiko*, **114** (4), 1508-16.

G

- Gaftonyuk, N. M.** — see *Mottola, S.*, **114** (3), 1234-45.
- Gagné, Marc** — see *Briceño, César*, **113** (2), 740-51.
- Gaidos, E. J.** — see *Oppenheimer, B. R.*, **113** (6), 2134-46.
- Gaidos, Eric J.** — The galaxy luminosity function from observations of twenty Abell clusters — Eric J. Gaidos; **113** (1), 117-29.
- Photometry of brightest galaxies in twenty Abell clusters — Eric J. Gaidos; **114** (2), 474-81.
- Gallagher, J.** — see *Dohm-Palmer, Robbie C.*, **114** (6), 2514-26.
- see *Dohm-Palmer, Robbie C.*, **114** (6), 2527-44.
- Gallagher, John S., III** — see *Cole, Andrew A.*, **113** (5), 1700-10.
- see *Matthews, Lynn D.*, **114** (5), 1899-919.
- see *Cole, Andrew A.*, **114** (5), 1945-50.
- Gallagher III, J. S.** — see *Han, M.*, **113** (3), 1001-10.
- Gallagher III, John S.** — see *Holtzman, Jon A.*, **113** (2), 656-68.
- Gallardo, Tabaré** — Understanding libration via time-frequency analysis — Tabaré Gallardo and Sylvio Ferraz-Mello; **113** (2), 863-70.
- Gallart, C.** — see *Aparicio, A.*, **114** (2), 669-79.
- see *Aparicio, A.*, **114** (2), 680-93.
- see *Aparicio, A.*, **114** (4), 1447-57.
- Galt, John** — see *Lyder, David A.*, **113** (4), 1310-4.
- Garcia-Melendo, Enrique** — NSV 09295: A double-mode RR Lyrae variable — Enrique Garcia-Melendo and Christine M. Clement; **114** (3), 1190-4.
- Garilli, B.** — see *Saracco, P.*, **114** (3), 887-97.
- Garilli, Bianca** — Two-color surface photometry of brightest cluster members — Bianca Garilli, Giorgio Sangalli, Stefano Andreon, Dario Maccagni, Luis Carrasco, and Elsa Recillas; **113** (6), 1973-82.
- Garnavich, P.** — see *Riess, A. G.*, **114** (2), 722-9.
- Garnavich, Peter** — see *Szkody, Paula*, **113** (6), 2276-82.
- Garnett, Donald R.** — see *Calzetti, Daniela*, **114** (5), 1834-49.
- Gasley, Ian** — see *Rice, W.*, **113** (1), 446.
- see *Sogawa, Hisato*, **113** (3), 1057-65.
- Gautschi, Alfred** — see *Duerbeck, Hilmar W.*, **114** (4), 1657-65.
- Gebhardt, Karl** — Fabry-Perot observations of globular clusters. III. M15 — Karl Gebhardt, Carlton Pryor, T. B. Williams, James E. Hesser, and Peter B. Stetson; **113** (3), 1026-38.
- see *Faber, S. M.*, **114** (5), 1771-96.
- Gehrz, Robert D.** — see *Humphreys, Roberta M.*, **114** (6), 2778-88.
- Geisler, Doug** — see *Perrett, Kathryn M.*, **113** (3), 895-904.
- see *Lee, Myung Gyoan*, **114** (5), 1824-33.
- A search for old star clusters in the Large Magellanic Cloud — Doug Geisler, Eduardo Bica, Horacio Dottori, Juan J. Clariá, Andrés E. Piatti, and João F. C. Santos, Jr.; **114** (5), 1920-32.
- Geller, M. J.** — see *Kleyna, J. T.*, **113** (2), 624-33.
- Geller, Margaret J.** — see *Ramella, Massimo*, **113** (2), 483-91.
- The Century Survey: A deeper slice of the Universe — Margaret J. Geller, Michael J. Kurtz, Gary Wegner, John R. Thorstensen, Daniel G. Fabricant, Ronald O. Marzke, John P. Huchra, Rudolph E. Schild, and Emilio E. Falco; **114** (6), 2205-11.
- Genzel, Reinhard** — see *Böker, Torsten*, **114** (5), 1883-98.
- Giacani, E. B.** — New radio and optical study of the supernova remnant W44 — E. B. Giacani, G. M. Dubner, N. E. Kassisi, D. A. Frail, W. M. Goss, P. F. Winkler, and B. F. Williams; **113** (4), 1379-90.
- Giammona, W. J.** — see *Zook, A. C.*, **114** (3), 1121-6.
- Giblin, Timothy** — see *Wilking, Bruce A.*, **114** (5), 2029-42.
- Gies, Douglas R.** — see *Mason, Brian D.*, **114** (5), 2112-6.

- Gillett, F. C.** — see *Rice, W.* **113** (1), 446.
- Gilmore, Gerard** — see *Ibata, Rodrigo A.* **113** (2), 634-55.
- Gilmozzi, Roberto** — see *Shara, Michael M.* **114** (1), 258-64.
- Gioia, I. M.** — see *Henry, J. P.* **114** (4), 1293-6.
- Giovanardi, Carlo** — see *Pantoja, Carmen A.* **113** (3), 905-36.
- Giovanelli, Riccardo** — The *I* band Tully-Fisher relation for cluster galaxies: Data presentation — Riccardo Giovanelli, Martha P. Haynes, Terry Herter, Nicole P. Vogt, Gary Wegner, John J. Salzer, Luiz N. da Costa, and Wolfram Freudling; **113** (1), 22-52.
- The *I* band Tully-Fisher relation for cluster galaxies: A template relation, its scatter and bias corrections — Riccardo Giovanelli, Martha P. Haynes, Terry Herter, Nicole P. Vogt, Luiz N. da Costa, Wolfram Freudling, John J. Salzer, and Gary Wegner; **113** (1), 53-79.
- see *Scodreggio, Marco*, **113** (1), 101-16.
- see *Pantoja, Carmen A.* **113** (3), 905-36.
- see *Haynes, Martha P.* **113** (4), 1197-211.
- see *Scodreggio, Marco*, **113** (6), 2087-93.
- Spectroscopy of edge-on spirals — Riccardo Giovanelli, Eric Avera, and Igor D. Karachentsev; **114** (1), 122-37.
- see *Dale, Daniel A.* **114** (2), 455-73.
- Girard, Terrence M.** — see *Dinescu, Dana I.* **114** (3), 1014-29.
- Giroux, Mark L.** — The influence of the photoionizing radiation spectrum on metal-line ratios in Ly α forest clouds — Mark L. Giroux and J. Michael Shull; **113** (5), 1505-13.
- Gizis, John E.** — M-subdwarfs: Spectroscopic classification and the metallicity scale — John E. Gizis; **113** (2), 806-22.
- see *Hawley, Suzanne L.* **113** (4), 1458-69.
- see *Reid, I. Neill*, **113** (6), 2246-69.
- see *Reid, I. Neill*, **114** (5), 1992-8.
- Goldader, Deborah L.** — see *Goldader, Jeffrey D.* **113** (5), 1569-79.
- Goldader, Jeffrey D.** — Heavily obscured star formation in the II Zw 96 galaxy merger — Jeffrey D. Goldader, Deborah L. Goldader, R. D. Joseph, René Doyon, and D. B. Sanders; **113** (5), 1569-79.
- Gomes, R. S.** — Dynamical effects of planetary migration on the primordial asteroid belt — R. S. Gomes; **114** (1), 396-401.
- Orbital evolution in resonance lock I. The restricted 3-body problem — R. S. Gomes; **114** (5), 2166-76.
- Gomez, Mercedes** — The bipolar optical outflow associated with PV Cephei — Mercedes Gomez, Scott J. Kenyon, and Barbara A. Whitney; **114** (1), 265-71.
- A survey of optical and near-infrared jets in Taurus embedded sources — Mercedes Gomez, Barbara A. Whitney, and Scott J. Kenyon; **114** (3), 1138-53.
- Gómez, P. L.** — The cluster dynamics, x-ray emission, and radio galaxies in Abell 578 and Abell 1569 — P. L. Gómez, M. J. Ledlow, J. O. Burns, J. Pinkney, and J. M. Hill; **114** (5), 1711-27.
- Gonzalez, Guillermo** — Abundance analyses of type II Cepheids in globular clusters — Guillermo Gonzalez and David L. Lambert; **114** (1), 341-51.
- Gonzalez-Perez, J. N.** — see *Zook, A. C.* **114** (3), 1121-6.
- Goodrich, Bret** — see *Noble, John C.* **113** (6), 1995-9.
- Goodwin, Simon P.** — A new determination of the Hubble Parameter using galaxy linear diameters — Simon P. Goodwin, John Gribbin, and Martin A. Hendry; **114** (6), 2212-8.
- Goss, W. M.** — see *Giacani, E. B.* **113** (4), 1379-90.
- see *Green, A. J.* **114** (5), 2058-67.
- Gottesman, S. T.** — see *Prieto, Mercedes*, **114** (4), 1413-26.
- see *Malphrus, Benjamin K.* **114** (4), 1427-46.
- Gough, R. G.** — see *Shen, Z.-Q.* **114** (5), 1999-2015.
- Gray, Jamison D.** — see *Samec, Ronald G.* **113** (2), 800-5.
- Photometric analysis of a near-contact binary, HL Aurigae: Evidence for a third body — Jamison D. Gray, Ronald G. Samec, and Brian J. Carrigan; **113** (6), 2270-5.
- Greason, Michael R.** — see *Cornett, Robert H.* **113** (3), 1011-21.
- Green, A. J.** — Continuation of a survey of OH (1720 MHz) maser emission towards supernova remnants — A. J. Green, D. A. Frail, W. M. Goss, and R. Otrupcek; **114** (5), 2058-67.
- Green, Richard F.** — see *Hall, Patrick B.* **113** (4), 1179-96.
- see *Kenefick, Julia D.* **114** (6), 2269-75.
- Greene, Thomas P.** — Near-infrared spectra of flat-spectrum protostars: Extremely young photospheres revealed — Thomas P. Greene and Charles J. Lada; **114** (5), 2157-65.
- Gregory, Stephen A.** — see *Moody, J. Ward*, **113** (3), 1022-5.
- Grenon, Michel** — see *Castro, Sandra*, **114** (1), 376-87.
- Gribbin, John** — see *Goodwin, Simon P.* **114** (6), 2212-8.
- Griest, K.** — see *Alcock, C.* **114** (1), 326-40.
- Griffin, R. E. M.** — see *Mason, Brian D.* **114** (4), 1607-22.
- Griffin, R. F.** — see *Mason, Brian D.* **114** (4), 1607-22.
- Griffiths, R.** — see *Han, M.* **113** (3), 1001-10.
- Griffiths, R. E.** — see *Schmidtke, P. C.* **113** (2), 569-84.
- Griffiths, Richard** — see *Cole, Andrew A.* **114** (5), 1945-50.
- Griffiths, Richard E.** — see *Holtzman, Jon A.* **113** (2), 656-68.
- Grillmair, C.** — see *Han, M.* **113** (3), 1001-10.
- Grillmair, Carl** — see *Faber, S. M.* **114** (5), 1771-96.
- Grillmair, Carl J.** — The nuclear region of M51 imaged with the *HST* planetary camera — Carl J. Grillmair, S. M. Faber, Tod R. Lauer, J. Jeff Hester, C. Roger Lynds, Earl J. O'Neil, Jr., and Paul A. Scowen; **113** (1), 225-30.
- see *Holtzman, Jon A.* **113** (2), 656-68.
- see *Baum, William A.* **113** (5), 1483-94.
- see *Forbes, Duncan A.* **113** (5), 1648-51.
- see *Forbes, Duncan A.* **113** (5), 1652-65.
- Groth, Edward J.** — see *Baum, William A.* **113** (5), 1483-94.
- Gruenwald, R.** — see *Vaceli, M. S.* **114** (4), 1345-55.
- Guetter, Harry H.** — IC 1590, a young cluster embedded in the nebula of NGC 281 — Harry H. Guetter and David G. Turner; **113** (6), 2116-29.
- Guhathakurta, Puragra** — see *Cohen, Randi L.* **113** (2), 669-81.
- see *Raychaudhury, Somak*, **113** (6), 2046-53.
- Gunn, James E.** — see *Schneider, Donald P.* **114** (1), 36-40.
- see *Stephens, Andrew W.* **114** (1), 41-7.
- see *Dalcanton, Julianne J.* **114** (2), 635-54.
- see *Dalcanton, Julianne J.* **114** (5), 2178.
- Gussie, G.** — see *Crampton, David*, **114** (6), 2353-65.
- Guzik, Joyce A.** — see *Templeton, Matthew R.* **114** (4), 1592-601.

H

- Haas, Stefan** — see *Ferguson, Donald H.* **114** (3), 1227-9.
- Hahn, G.** — see *Mottola, S.* **114** (3), 1234-45.
- Hajian, A. R.** — see *Benson, J. A.* **114** (3), 1221-6.
- Hakkila, Jon** — A computerized model of large-scale visual interstellar extinction — Jon Hakkila, Jeannette M. Myers, Brett J. Stidham, and Dieter H. Hartmann; **114** (5), 2043-53.
- Hall, Patrick B.** — X-ray emission from the host clusters of powerful AGN — Patrick B. Hall, Erica Ellingson, and Richard F. Green; **113** (4), 1179-96.
- see *Kenefick, Julia D.* **114** (6), 2269-75.
- Halpern, Jules P.** — E 0336-248: A new BL Lac object found by an old *Einstein* — Jules P. Halpern, Michael Eracleous, and Karl Forster; **114** (5), 1736-40.
- Hamann, Frederick W.** — see *Davidson, Kris*, **113** (1), 335-45.
- Hameed, Salman** — see *Devereux, Nicholas A.* **113** (2), 599-608.
- Hammergren, Mark** — see *Baum, William A.* **113** (5), 1483-94.
- Han, M.** — Stellar populations in the dwarf elliptical galaxy NGC 147 — M. Han, J. G. Hoessel, J. S. Gallagher III, J. Holtzman, P. B. Stetson, J. Trauger, G. E. Ballester, C. Burrows, J. Clarke, D. Crisp, R. Griffiths, C. Grillmair, J. Hester, J. Krist, J. R. Mould, P. Scowen, K. Stapelfeldt, A. Watson, and J. Westphal; **113** (3), 1001-10.
- Hanes, David A.** — see *Perrett, Kathryn M.* **113** (3), 895-904.
- Hanner, Martha S.** — see *Lynch, David K.* **113** (4), 1391-4.
- Harding, Paul** — see *Morrison, Heather L.* **113** (6), 2061-74.
- Hardy, Eduardo** — see *Beauchamp, Dominique*, **113** (5), 1666-77.
- see *Dale, Daniel A.* **114** (2), 455-73.
- Harlaftis, Emilios T.** — A Doppler map and mass-ratio constraint for the black-hole X-ray Nova Ophiuchi 1977 — Emilios T. Harlaftis, Danny Steeghs, Keith Horne, and Alexei V. Filippenko; **114** (3), 1170-5.
- Harlow, Jason J. B.** — see *Orosz, Jerome A.* **114** (1), 317-25.
- Harrington, J. Patrick** — High-resolution imagery of BD +30°3639 and its dusty halo — J. Patrick Harrington, Nancy Joanne Lane, Stephen M. White, and Kazimierz J. Borkowski; **113** (6), 2147-57.
- Harris, A. W.** — see *Mottola, S.* **114** (3), 1234-45.
- see *Mottola, S.* **114** (3), 1234-45.
- Harris, Jason** — see *Zaritsky, Dennis*, **114** (3), 1002-13.
- On the distribution of dust in the Large Magellanic Cloud — Jason Harris, Dennis Zaritsky, and Ian Thompson; **114** (5), 1933-44.
- Harris, William E.** — IC 1257: A new globular cluster in the Galactic halo — William E. Harris, Randy L. Phelps, Barry F. Madore, Olga Pevunova, Brian A. Skiff, Czeremic Crute, Barbara Wilson, and Brent A. Archinal; **113** (2), 688-91.
- see *Perrett, Kathryn M.* **113** (3), 895-904.
- NGC 2419, M92, and the age gradient in the galactic halo — William E. Harris, Roger A. Bell, Don A. Vandenberg, Michael Bolte, Peter B. Stetson, James E. Hesser, Sidney van den Bergh, Howard E. Bond, Gregory G. Fahlan, and Harvey B. Richer; **114** (3), 1030-42.

- Unveiling Palomar 2: The most obscure globular cluster in the outer halo — William E. Harris, Patrick R. Durrell, Glen R. Petipas, Tracy M. Webb, and Sean C. Woodworth; **114** (3), 1043-50.
- Harrison, Thomas E.** — see *Mason, Paul A.*, **114** (1), 238-43.
- Hartigan, Patrick** — see *O'Dell, C. R.*, **114** (2), 730-43.
- see *Reipurth, Bo*, **114** (2), 757-80.
- see *O'Dell, C. R.*, **114** (5), 2016-28.
- Hartkopf, William I.** — see *Fekel, Francis C.*, **113** (3), 1095-105.
- see *Mason, Brian D.*, **114** (4), 1607-22.
- see *Fu, Hsieh-Hai*, **114** (4), 1623-38.
- ICCD speckle observations of binary stars. XVII. Measurements during 1993–1995 from the Mount Wilson 2.5-m telescope — William I. Hartkopf, Harold A. McAlister, Brian D. Mason, Theo ten Brummelaar, Lewis C. Roberts, Jr., Nils H. Turner, and John W. Wilson; **114** (4), 1639-56.
- see *Mason, Brian D.*, **114** (5), 2112-6.
- Hartmann, Dieter H.** — see *Hakkila, Jon*, **114** (5), 2043-53.
- Hartmann, Lee** — see *Alves, João*, **113** (4), 1395-405.
- Hartmann, Lee W.** — see *Briceno, César*, **113** (2), 740-51.
- see *Mathieu, Robert D.*, **113** (5), 1841-54.
- Harvanek, Michael** — High dynamic range VLA observations of the gravitationally lensed quasar 0957+561 — Michael Harvanek, John T. Stoeck, Jon A. Morse, and George Rhee; **114** (6), 2240-53.
- Hau, George K. T.** — see *Whiting, Alan B.*, **114** (3), 996-1001.
- Hawarden, Timothy G.** — see *Malphrus, Benjamin K.*, **114** (4), 1427-46.
- Hawley, Suzanne L.** — Erratum: "The Palomar/MSU nearby star spectroscopic survey. II. The southern M dwarfs and investigation of magnetic activity" [*Astron. J.*, **112**, 2799 (1996)] — Suzanne L. Hawley, John E. Gizis, and I. Neill Reid; **113** (4), 1458-69 (E).
- Haynes, Martha P.** — see *Giovanelli, Riccardo*, **113** (1), 22-52.
- see *Giovanelli, Riccardo*, **113** (1), 53-79.
- see *Scoddeggio, Marco*, **113** (1), 101-16.
- 21 cm H I line spectra of galaxies in nearby clusters — Martha P. Haynes, Riccardo Giovanelli, Terry Herter, Nicole P. Vogt, Wolfram Freudling, Marcio A. G. Maia, John J. Salzer, and Gary Wegner; **113** (4), 1197-211.
- see *van Zee, Liese*, **113** (5), 1618-37.
- see *van Zee, Liese*, **113** (5), 1638-47.
- see *Scoddeggio, Marco*, **113** (6), 2087-93.
- see *Dale, Daniel A.*, **114** (2), 455-73.
- see *van Zee, Liese*, **114** (6), 2479-96.
- see *van Zee, Liese*, **114** (6), 2497-504.
- Hayward, T. L.** — A search for thermal infrared emission from three silhouette disks in Orion — T. L. Hayward and Mark J. McCaughrean; **113** (1), 346-53.
- Hayward, Thomas L.** — see *Humphreys, Roberta M.*, **114** (6), 2778-88.
- Heap, S. R.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Heathcote, Steve** — see *Reipurth, Bo*, **114** (2), 757-80.
- see *Devine, David*, **114** (5), 2095-111.
- Heckert, Paul A.** — see *Summers, David L.*, **113** (6), 2242-5.
- Heckman, Timothy M.** — see *Meurer, Gerhard R.*, **114** (1), 54-68.
- Kinematics of the interstellar medium in NGC 1705: Implications for distant star-forming galaxies — Timothy M. Heckman and Claus Leitherer; **114** (1), 69-76.
- Helfand, D. J.** — see *Oppenheimer, B. R.*, **113** (6), 2134-46.
- Hemenway, P. D.** — The program to link the *Hipparcos* reference frame to an extragalactic reference system using the fine guidance sensors of the *Hubble Space Telescope* — P. D. Hemenway, R. L. Duncombe, E. P. Bozayan, A. M. Lalich, A. N. Argue, O. G. Franz, B. McArthur, E. Nelan, D. Taylor, G. White, G. F. Benedict, F. Crifo, L. W. Fredrick, W. H. Jefferys, K. Johnston, J. Kovalevsky, J. Kristian, M. A. C. Perryman, R. Preston, P. J. Shelus, C. Turon, and W. van Altena; **114** (6), 2796-810.
- Hendry, Martin A.** — see *Goodwin, Simon P.*, **114** (6), 2212-8.
- Henning, Patricia A.** — see *Davis, S.*, **114** (2), 613-25.
- Henry, J. P.** — Discovery of a redshift 0.8 cluster of galaxies in the ROSAT North Ecliptic Pole survey — J. P. Henry, I. M. Gioia, C. R. Mullis, D. I. Clowe, G. A. Luppino, H. Boehringer, U. G. Briel, W. Voges, and J. P. Huchra; **114** (4), 1293-6.
- Henry, R. B. C.** — see *Jacoby, George H.*, **114** (6), 2611-25.
- Henry, Todd J.** — see *Kirkpatrick, J. Davy*, **113** (4), 1421-8.
- The solar neighborhood. IV. Discovery of the twentieth nearest star system — Todd J. Henry, Philip A. Ianna, J. Davy Kirkpatrick, and Hartmut Jahreiss; **114** (1), 388-95.
- Herald, J. E.** — see *Johnson, J. J.*, **113** (6), 2200-8.
- Herbst, T. M.** — Wind-disk-ambient cloud interactions in the near environment of T Tauri — T. M. Herbst, M. Robberto, and S. V. W. Beckwith; **114** (2), 744-56.
- Herbst, William** — see *Kearns, Kristin E.*, **114** (3), 1098-105.
- Herrmann, Joseph** — see *Schwartz, Richard D.*, **114** (1), 272-9.
- Herter, Terry** — see *Giovanelli, Riccardo*, **113** (1), 22-52.
- see *Giovanelli, Riccardo*, **113** (1), 53-79.
- see *Haynes, Martha P.*, **113** (4), 1197-211.
- Hesser, James E.** — see *Gebhardt, Karl*, **113** (3), 1026-38.
- see *Harris, William E.*, **114** (3), 1030-42.
- Hester, J.** — see *Han, M.*, **113** (3), 1001-10.
- Hester, J. Jeff** — see *Grillmair, Carl J.*, **113** (1), 225-30.
- see *Holtzman, Jon A.*, **113** (2), 656-68.
- see *Cole, Andrew A.*, **114** (5), 1945-50.
- Hibbard, J. E.** — The apparent morphology of peculiar galaxies at intermediate to high redshifts — J. E. Hibbard and W. D. Vacca; **114** (5), 1741-52.
- Hicks, M. D.** — see *Mottola, S.*, **114** (3), 1234-45.
- Hill, J. M.** — see *Gómez, P. L.*, **114** (5), 1711-27.
- Hill, Jesse K.** — see *Cornett, Robert H.*, **113** (3), 1011-21.
- Hillenbrand, Lynne A.** — On the stellar population and star-forming history of the Orion Nebula Cluster — Lynne A. Hillenbrand; **113** (5), 1733-68.
- see *Carpenter, John M.*, **114** (1), 198-221.
- see *Meyer, Michael R.*, **114** (1), 288-300.
- see *Carpenter, John M.*, **114** (3), 1275.
- Hiltgen, Daniel D.** — see *King, Jeremy R.*, **113** (5), 1871-83.
- Hilton, James L.** — The mass of the asteroid 15 Eunomia from observations of 1313 Berna and 1284 Latvia — James L. Hilton; **114** (1), 402-8.
- Hinkle, K.** — see *Pilachowski, C.*, **114** (2), 819-24.
- Hinkle, Kenneth H.** — Infrared velocities of long period variables: CO Δv_3 in four Miras and five SR variables — Kenneth H. Hinkle, Thomas Lebzelter, and Werner W. G. Scharlach; **114** (6), 2686-99.
- Hintz, Eric G.** — Reddening study of a bright high galactic latitude nebula: LBN 434 — Eric G. Hintz, Peter W. A. Røming, J. Ward Moody, and Kristen A. Miller; **113** (4), 1375-8.
- Multicolor, two-dimensional photometric study of galaxies in rich Abell clusters. I. Observations and reductions — Eric G. Hintz, J. Ward Moody, Michael D. Joner, and Benjamin J. Taylor; **114** (4), 1297-307.
- Ho, Luis C.** — see *Barth, Aaron J.*, **114** (6), 2313-22.
- Hoessel, J.** — see *Dohm-Palmer, Robbie C.*, **114** (6), 2514-26.
- see *Dohm-Palmer, Robbie C.*, **114** (6), 2527-44.
- Hoessel, J. G.** — see *Han, M.*, **113** (3), 1001-10.
- Hoessel, John G.** — see *Holtzman, Jon A.*, **113** (2), 656-68.
- see *Cole, Andrew A.*, **114** (5), 1945-50.
- Hogan, Craig J.** — Resolving the helium Lyman- α forest: Mapping intergalactic gas and ionizing radiation at $z \approx 3$ — Craig J. Hogan, Scott F. Anderson, and Martin H. Rugers; **113** (5), 1495-504.
- Hogg, David E.** — see *van Zee, Liese*, **113** (5), 1638-47.
- Hogg, David W.** — Near infrared imaging of the Hubble Deep Field with the Keck Telescope — David W. Hogg, G. Neugebauer, Lee Armus, K. Matthews, Michael A. Pahre, B. T. Soifer, and A. J. Weinberger; **113** (2), 474-82.
- Erratum: "Near infrared imaging of the Hubble Deep Field with the Keck Telescope" [*Astron. J.*, **113**, 474 (1997)] — David W. Hogg, G. Neugebauer, Lee Armus, K. Matthews, Michael A. Pahre, B. T. Soifer, and A. J. Weinberger; **113** (6), 2338 (E).
- see *Kundić, Tomislav*, **114** (6), 2276-83.
- Holberg, Jay** — see *Szkody, Paula*, **113** (6), 2276-82.
- Holberg, Jay B.** — see *Sion, Edward M.*, **113** (1), 364-72.
- Holden, B. P.** — X-ray observations of distant optically selected clusters — B. P. Holden, A. K. Romer, R. C. Nichol, and M. P. Ulmer; **114** (5), 1701-10.
- Holland, Stephen** — Deep *HST* V- and I-band observations of two globular clusters in the halo of M31 — Stephen Holland, Gregory G. Fahlan, and Harvey B. Richer; **114** (4), 1488-507.
- Holman, M.** — see *Murray, N.*, **114** (3), 1246-59.
- Holman, Matt J.** — see *Wiegert, Paul A.*, **113** (4), 1445-50.
- Holtzman, J.** — see *Han, M.*, **113** (3), 1001-10.
- Holtzman, Jon A.** — Stellar populations in the Large Magellanic Cloud: Evidence for a significant number of older stars or a steeper IMF? — Jon A. Holtzman, Jeremy R. Mould, John S. Gallagher III, Alan M. Watson, Carl J. Grillmair, Gilda E. Ballester, Christopher J. Burrows, John T. Clarke, David Crisp, Robin W. Evans, Richard E. Griffiths, J. Jeff Hester, John G. Hoessel, Paul A. Scowen, Karl R. Stapelfeldt, John T. Trauger, and James A. Westphal; **113** (2), 656-68.
- see *Ajhar, Edward A.*, **114** (2), 626-34.
- see *Cole, Andrew A.*, **114** (5), 1945-50.
- Honeycutt, R. Kent** — see *Robertson, Jeff W.*, **113** (2), 787-91.

- see *Sterzik, Michael F.*, **114** (4), 1555-66.
- Hong, X.-Y.** — see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- Honma, Mareki** — see *Sofue, Yoshiaki*, **114** (6), 2428-36.
- Hoopes, Charles G.** — see *Cruzen, Shawn T.*, **113** (6), 1983-94.
- Hopp, Ulrich** — see *Bomans, Dominik J.*, **113** (5), 1678-90.
- Horch, Elliott P.** — CCD speckle observations of binary stars from the Southern Hemisphere — Elliott P. Horch, Zoran Ninkov, and Robert W. Slawson; **114** (5), 2117-27.
- Horne, Keith** — see *Cheng, F. H.*, **114** (3), 1165-9.
- see *Harlaftis, Emiliós T.*, **114** (3), 1170-5.
- Horner, Donald J.** — A near-infrared imaging survey of NGC 2282 — Donald J. Horner, Elizabeth A. Lada, and Charles J. Lada; **113** (5), 1788-98.
- Hosokawa, Mizuhiko** — Fluctuation of extragalactic reference frame due to gravitational lensing in our galaxy — Mizuhiko Hosokawa, Kouji Ohnishi, and Toshio Fukushima; **114** (4), 1508-16.
- Houck, James R.** — see *Humphreys, Roberta M.*, **114** (6), 2778-88.
- Howell, E. S.** — see *Mottola, S.*, **114** (3), 1234-45.
- Howell, Steve B.** — Spectroscopy and photometry of EUVE J1429-38.0: An eclipsing magnetic cataclysmic variable — Steve B. Howell, Nahide Craig, Bryce Roberts, Paddy McGee, and Martin Sirk; **113** (6), 2231-41.
- Howk, J. Christopher** — Extraplanar dust in the edge-on spiral NGC 891 — J. Christopher Howk and Blair D. Savage; **114** (6), 2463-78.
- Hu, Esther M.** — see *Kim, Tae-Sun*, **114** (1), 1-13.
- Hu, F. X.** — see *Yuan, Q. R.*, **114** (4), 1308-12.
- Hu, J. Y.** — see *Jiang, B. W.*, **113** (4), 1315-27.
- Huang, K. L.** — see *Yuan, Q. R.*, **114** (4), 1308-12.
- Huang, M.** — see *Cheng, F. H.*, **114** (3), 1165-9.
- Hubeny, I.** — see *Cheng, F. H.*, **114** (3), 1165-9.
- Huchra, J. P.** — see *Henry, J. P.*, **114** (4), 1293-6.
- Huchra, John** — see *Forbes, Duncan A.*, **113** (3), 887-94.
- Huchra, John P.** — see *Geller, Margaret J.*, **114** (6), 2205-11.
- Hummel, C. A.** — see *Benson, J. A.*, **114** (3), 1221-6.
- see *Hutter, D. J.*, **114** (6), 2822-33.
- Humphreys, Roberta M.** — see *Davidson, Kris*, **113** (1), 335-45.
- *HST* and infrared images of the circumstellar environment of the cool hypergiant IRC+10420 — Roberta M. Humphreys, Nathan Smith, Kris Davidson, Terry Jay Jones, Robert D. Gehrz, Christopher G. Mason, Thomas L. Hayward, James R. Houck, and Joachim Krautter; **114** (6), 2778-88.
- Hunter, Deidre A.** — Ultraviolet photometry of stars in the compact cluster R136 in the Large Magellanic Cloud — Deidre A. Hunter, William D. Vacca, Philip Massey, Roger Lynds, and Earl J. O'Neil; **113** (5), 1691-9.
- Hurford, Alan P.** — see *Fesen, Robert A.*, **113** (1), 354-63.
- Hutchings, J. B.** — *JHK* imaging and photometry of low *z* QSOs and radio galaxy — J. B. Hutchings and S. G. Neff; **113** (2), 550-61.
- A QSO in a cluster at $z=2.4$ — J. B. Hutchings and S. G. Neff; **113** (5), 1514-6.
- see *Brandt, J. C.*, **114** (2), 554-64.
- Hutter, D. J.** — see *Benson, J. A.*, **114** (3), 1221-6.
- Seeing tests at four sites in support of the NPOI project — D. J. Hutter, N. M. Elias, II, E. R. Peterson, W. B. Weaver, G. Weaver, D. Mozurkewich, F. J. Vrba, R. S. Simon, D. F. Buscher, and C. A. Hummel; **114** (6), 2822-33.
- Ianna, Philip A.** — see *Henry, Todd J.*, **114** (1), 388-95.
- Ibata, Rodrigo A.** — The kinematics, orbit, and survival of the Sagittarius dwarf spheroidal galaxy — Rodrigo A. Ibata, Rosemary F. G. Wyse, Gerard Gilmore, Michael J. Irwin, and Nicholas B. Suntzeff; **113** (2), 634-55.
- Discrete classification with Principal Component Analysis: Discrimination of giant and dwarf spectra in K stars — Rodrigo A. Ibata and Michael J. Irwin; **113** (5), 1865-70.
- Idiaert, T. P.** — The infrared Ca II triplet as a metallicity indicator of stellar populations — T. P. Idiaert, F. Thévenin, and J. A. de Freitas Pacheco; **113** (3), 1066-72.
- Imbert, M.** — see *Mayor, M.*, **114** (3), 1087-97.
- Impey, C. D.** — see *Pickering, T. E.*, **114** (5), 1858-82.
- see *O'Neil, Karen*, **114** (6), 2448-62.
- Innanen, K. A.** — The Kozai mechanism and the stability of planetary orbits in binary star systems — K. A. Innanen, J. Q. Zheng, S. Mikkola, and M. J. Valtonen; **113** (5), 1915-9.
- Iovino, A.** — see *Saracco, P.*, **114** (3), 887-97.
- Ipatov, A.** — see *Alcaino, G.*, **114** (1), 189-97.
- see *Alcaino, G.*, **114** (3), 1067-73.
- see *Alcaino, G.*, **114** (6), 2638-43.
- Irwin, Jimmy A.** — Is there molecular gas in the H I cloud between NGC 4472 and UGC 7636? — Jimmy A. Irwin, David T. Frayer, and Craig L. Sarazin; **113** (5), 1580-4.
- Irwin, Judith A.** — see *English, Jayanne*, **113** (6), 2006-24.
- Irwin, M.** — see *Lehár, J.*, **114** (1), 48-53.
- Irwin, M. J.** — see *Whiting, Alan B.*, **114** (3), 996-1001.
- Irwin, Michael J.** — see *Ibata, Rodrigo A.*, **113** (2), 634-55.
- see *Kirkpatrick, J. Davy*, **113** (4), 1421-8.
- see *Ibata, Rodrigo A.*, **113** (5), 1865-70.
- Ito, Takashi** — Parallelized extrapolation method and its application to the orbital dynamics — Takashi Ito and Toshio Fukushima; **114** (3), 1260-7.
- J**
- Jacoby, George H.** — Planetary nebulae in the globular clusters Pal 6 and NGC 6441 — George H. Jacoby, Jon A. Morse, L. Kellar Fullton, K. B. Kwitter, and R. B. C. Henry; **114** (6), 2611-25.
- Jaderlund, Eric C.** — see *Moody, J. Ward*, **113** (3), 1022-5.
- Jahreiss, Hartmut** — see *Henry, Todd J.*, **114** (1), 388-95.
- Janes, Kenneth A.** — see *Kassis, Marc*, **113** (5), 1723-32.
- Jang, Minhwan** — The microvariability of selected radio-quiet and radio-loud QSOs — Minhwan Jang and H. Richard Miller; **114** (2), 565-74.
- Jauncey, D. L.** — see *Tingay, S. J.*, **113** (6), 2025-30.
- see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- Jefferys, W. H.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Jensen, Eric L. N.** — see *Mathieu, Robert D.*, **113** (5), 1841-54.
- Evidence for cleared regions in the disks around pre-main-sequence spectroscopic binaries — Eric L. N. Jensen and Robert D. Mathieu; **114** (1), 301-16.
- Jeong, Jang Hae** — see *Kim, Chun-Hwey*, **114** (6), 2753-63.
- Jewitt, David C.** — Submillimeter continuum observations of comet Hyakutake (1996 B2) — David C. Jewitt and Henry E. Matthews; **113** (3), 1145-51.
- Jiang, B. W.** — Identification of *IRAS* sources in the outer disk of the Galaxy — B. W. Jiang, S. Deguchi, J. Y. Hu, T. Yamashita, E. Nishihara, S. Matsumoto, and Y. Nakada; **113** (4), 1315-27.
- Jiang, D.-R.** — see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- Johansson, Sveneric** — see *Davidson, Kris*, **113** (1), 335-45.
- Johns-Krull, Christopher M.** — see *Mathieu, Robert D.*, **113** (5), 1841-54.
- see *Basri, Gibor*, **114** (2), 781-92.
- Johnson, J. J.** — see *Fox, G. K.*, **113** (3), 1152-7.
- see *Fox, G. K.*, **113** (3), 1158-65.
- Ultraviolet spectropolarimetry of three classical novae early in outburst: Evidence for aspherical shells — J. J. Johnson, C. M. Anderson, K. S. Bjorkman, A. D. Code, G. K. Fox, A. J. Weitenbeck, W. Sanders, B. L. Babler, M. R. Meade, N. E. B. Zellner, R. J. Edgar, A. M. Magalhães, G. C. Clayton, R. E. Schulte-Ladbeck, J. E. Herald, and O. L. Lupie; **113** (6), 2200-8.
- Johnson, Paul** — see *Titus, Timothy N.*, **114** (3), 958-64.
- Johnston, K.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Johnston, K. J.** — see *Benson, J. A.*, **114** (3), 1221-6.
- Joner, Michael D.** — see *Hintz, Eric G.*, **114** (4), 1297-307.
- Jones, Burton F.** — The evolution of the lithium abundances of solar-type stars. VII. M34 (NGC 1039) and the role of rotation in lithium depletion — Burton F. Jones, Debra Fischer, Matthew Shetrone, and David R. Soderblom; **114** (1), 352-62.
- Jones, Dayton L.** — see *Wehrle, Ann E.*, **114** (1), 115-21.
- Jones, Terry Jay** — Infrared imaging polarimetry of galaxies — Terry Jay Jones; **114** (4), 1393-404.
- see *Wood, Kenneth*, **114** (4), 1405-12.
- see *Humphreys, Roberta M.*, **114** (6), 2778-88.
- Joseph, R. D.** — see *Goldader, Jeffrey D.*, **113** (5), 1569-79.
- Joyce, R.** — see *Pilchowski, C.*, **114** (2), 819-24.
- Jura, M.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Jurcovic, John** — see *Sterzik, Michael F.*, **114** (4), 1555-66.
- K**
- Kallarakal, Varkey V.** — see *Strand, Kaj Aa.*, **113** (5), 1884-7.
- Kaluzny, Janusz** — CCD photometry of faint variable stars in the field of the globular cluster M4 — Janusz Kaluzny, Ian B. Thompson, and Wojtek Krzeminski; **113** (6), 2219-25.

- Kamath, U. S.** — Post-maximum optical and infrared observations of Nova V1425 Aquilae 1995 — U. S. Kamath, G. C. Anupama, N. M. Ashok, and T. Chandrasekhar; **114** (6), 2671-8.
- Kane, B. D.** — Rotation of starless Bok globules — B. D. Kane and D. P. Clemens; **113** (5), 1799-814.
- Kaneko, Noboru** — Observations of the velocity field of NGC 4051 — Noboru Kaneko, Kentaro Aoki, George Kosugi, Hiroshi Ohtani, Michitoshi Yoshida, Kiyotaka Toyama, Tetsuya Satoh, and Minoru Sasaki; **114** (1), 94-101.
- Kannappan, S. J.** — see *van Belle, G. T.*, **114** (5), 2150-6.
- Karachentsev, Igor D.** — see *Giovanelli, Riccardo*, **114** (1), 122-37.
- Kassim, N. E.** — see *Giacani, E. B.*, **113** (4), 1379-90.
- Kassis, Marc** — Deep CCD photometry of old open clusters — Marc Kassis, Kenneth A. Janes, Eileen D. Friel, and Randy L. Phelps; **113** (5), 1723-32.
- Kaszás, G.** — see *Balog, Z.*, **113** (5), 1833-40.
- Kaufman, Michele** — Observations of the ocular galaxy NGC 2535 and its starburst companion NGC 2536 — Michele Kaufman, Elias Brinks, Debra Meloy Elmegreen, Magnus Thomasson, Bruce G. Elmegreen, Curtis Struck, and Mario Klarić; **114** (6), 2323-49.
- Kavelaars, JJ** — see *Perrett, Kathryn M.*, **113** (3), 895-904.
- Kearns, Kristin E.** — Rotation periods for stars in NGC 2264 — Kristin E. Kearns, Nancy L. Eaton, William Herbst, and Christopher J. Mazzurco; **114** (3), 1098-105.
- Kedziora-Chudczer, L.** — see *Tingay, S. J.*, **113** (6), 2025-30.
- Keel, William C.** — see *Wehrle, Ann E.*, **114** (1), 115-21.
- see *Davis, Davis S.*, **114** (2), 613-25.
- Kellar Fullton, L.** — see *Jacoby, George H.*, **114** (6), 2611-25.
- Kellermann, K. I.** — see *Richards, E. A.*, **113** (5), 1475-82.
- Kellogg, Robert C.** — see *Lynch, David K.*, **113** (4), 1391-4.
- Kelly, D. M.** — see *Beck, S. C.*, **114** (2), 585-91.
- see *Smith, Howard A.*, **114** (6), 2658-63.
- Kemper, Ciska** — see *Duerbeck, Hilmar W.*, **114** (4), 1657-65.
- Kennefick, Julia D.** — A deep multicolor survey. III. Additional spectroscopy and implications for the number counts of faint quasars — Julia D. Kennefick, Patrick S. Osmer, Patrick B. Hall, and Richard F. Green; **114** (6), 2269-75.
- Kenney, Jeffrey D. P.** — see *Rubin, Vera C.*, **113** (4), 1250-78.
- Kennicutt, Jr., Robert C.** — see *Bresolin, Fabio*, **113** (3), 975-80.
- Kenyon, S. J.** — see *Kleyna, J. T.*, **113** (2), 624-33.
- Kenyon, Scott J.** — see *Gomez, Mercedes*, **114** (1), 265-71.
- see *Gomez, Mercedes*, **114** (3), 1138-53.
- Kidger, M. R.** — see *Zook, A. C.*, **114** (3), 1121-6.
- Kim, Chun-Hwey** — The period changes of YY Eridani — Chun-Hwey Kim, Jang Hae Jeong, Osman Demircan, Zekeriya Müeyesseroglu, and Edwin Budding; **114** (6), 2753-63.
- Kim, Eunhyeuk** — see *Lee, Myung Gyoan*, **114** (5), 1824-33.
- Kim, Tae-Sun** — The redshift evolution of the Ly α forest — Tae-Sun Kim, Esther M. Hu, Lennox L. Cowie, and Antoinette Songaila; **114** (1), 1-13.
- King, E. A.** — see *Tingay, S. J.*, **113** (6), 2025-30.
- see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- King, Ivan R.** — see *Sosin, Craig*, **113** (4), 1328-44.
- see *Piotto, Giampaolo*, **113** (4), 1345-52.
- King, Jeremy** — see *Briley, Michael M.*, **113** (1), 306-10.
- King, Jeremy R.** — Lithium abundances in the solar twins 16 Cyg A and B and the solar analog α Cen A, calibration of the 6707 Å Li region linelist, and implications — Jeremy R. King, Constantine P. Deliyannis, Daniel D. Hiltgen, Alex Stephens, Katia Cunha, and Ann Merchant Boesgaard; **113** (5), 1871-83.
- Abundance ratios in a common proper motion pair: Chemical evidence of accreted substructure in the halo field? — Jeremy R. King; **113** (6), 2302-11.
- Kingdon, J. B.** — Abundance determinations in emission-line objects: The revised Emission Line Chart — J. B. Kingdon and R. E. Williams; **113** (6), 2193-9.
- Kingham, Kerry A.** — see *Fey, Alan L.*, **114** (6), 2284-91.
- Kinney, Anne L.** — see *Schmitt, Henrique R.*, **114** (2), 592-612.
- see *Calzetti, Daniela*, **114** (5), 1834-49.
- Kirkpatrick, J. Davy** — Ultra-cool M dwarfs discovered by QSO Surveys. I. The APM objects — J. Davy Kirkpatrick, Todd J. Henry, and Michael J. Irwin; **113** (4), 1421-8.
- see *Henry, Todd J.*, **114** (1), 388-95.
- Kirshner, R. P.** — see *Riess, A. G.*, **114** (2), 722-9.
- Klarić, Mario** — see *Kaufman, Michele*, **114** (6), 2323-49.
- Klein, Ulrich** — see *Walter, Fabian*, **113** (6), 2031-45.
- Kleyna, J. T.** — An adaptive kernel approach to finding dSph galaxies around the Milky Way — J. T. Kleyna, M. J. Geller, S. J. Kenyon, and M. J. Kurtz; **113** (2), 624-33.
- Koekemoer, A.** — see *Tingay, S. J.*, **113** (6), 2025-30.
- Kogut, A.** — Spatial correlation between H α emission and infrared cirrus — A. Kogut; **114** (3), 1127-31.
- Kömpe, C.** — see *Sage, L. J.*, **114** (5), 1753-7.
- Koribalski, B.** — see *Arnaboldi, M.*, **113** (2), 585-98.
- Kormendy, John** — see *Faber, S. M.*, **114** (5), 1771-96.
- Korpela, Eric** — see *Vennes, Stéphane*, **114** (4), 1567-72.
- Kosugi, George** — see *Kaneko, Noboru*, **114** (1), 94-101.
- Kovalevsky, J.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Kozhurina-Platais, Vera** — The age of NGC 3680 and a test of convective overshoot — Vera Kozhurina-Platais, Pierre Demarque, Imants Platais, Jerome A. Orosz, and Sydney Barnes; **113** (3), 1045-56.
- Kraft, Robert P.** — Proton capture chains in globular cluster stars. II. Oxygen, sodium, magnesium, and aluminum abundances in M13 giants brighter than the horizontal branch — Robert P. Kraft, Christopher Sneden, Graeme H. Smith, Matthew D. Shetrone, G. E. Langer, and Catherine A. Pilachowski; **113** (1), 279-95.
- see *Sneden, Christopher*, **114** (5), 1964-81.
- Krautter, Joachim** — see *Humphreys, Roberta M.*, **114** (6), 2778-88.
- Kravtsov, V.** — see *Alcaino, G.*, **114** (1), 189-97.
- see *Alcaino, G.*, **114** (3), 1067-73.
- see *Alcaino, G.*, **114** (6), 2638-43.
- Kriessler, Jeffrey R.** — Substructure in galaxy clusters: A two-dimensional approach — Jeffrey R. Kriessler and Timothy C. Beers; **113** (1), 80-100.
- Krist, J.** — see *Han, M.*, **113** (3), 1001-10.
- Kristian, J.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Krugly, Yu. N.** — see *Mottola, S.*, **114** (3), 1234-45.
- Krzeminski, Wojtek** — see *Kaluzny, Janusz*, **113** (6), 2219-25.
- Kuhna, Kristine M.** — see *Reed, B. Cameron*, **113** (2), 823-6.
- Kulkarni, S. R.** — see *Oppenheimer, R. R.*, **113** (1), 296-305.
- Kumai, Yasuki** — see *Fujimoto, Mistuaki*, **113** (1), 249-63.
- Kundić, Tomislav** — Keck spectroscopy of the gravitational lens system PG 1115+080: Redshifts of the lensing galaxies — Tomislav Kundić, Judith G. Cohen, Roger D. Blandford, and Lori M. Lubin; **114** (2), 507-10.
- The external shear acting on gravitational lens B1422+231 — Tomislav Kundić, David W. Hogg, Roger D. Blandford, Judith G. Cohen, Lori M. Lubin, and James E. Larkin; **114** (6), 2276-83.
- Kurtz, M. J.** — see *Kleyna, J. T.*, **113** (2), 624-33.
- Kurtz, Michael J.** — see *Geller, Margaret J.*, **114** (6), 2205-11.
- Kwiatkowski, T.** — see *Mottola, S.*, **114** (3), 1234-45.
- Kwitter, K. B.** — see *Jacoby, George H.*, **114** (6), 2611-25.

L

- Lacy, C. H. S.** — The spectroscopic orbit of π Ceti — C. H. S. Lacy, F. C. Fekel, R. D. Mathieu, N. I. Morrell, J. A. Morse, G. Torres, and D. Willmarth; **113** (3), 1088-90.
- see *Alcock, C.*, **114** (1), 326-40.
- Lacy, Claud H.** — see *Marschall, Laurence A.*, **114** (2), 793-9.
- Lacy, Claud H. Sandberg** — Absolute dimensions and masses of YY Sagittarii and V526 Sagittarii — Claud H. Sandberg Lacy; **113** (3), 1091-4.
- Lacy, J. H.** — see *Beck, S. C.*, **114** (2), 585-91.
- see *Smith, Howard A.*, **114** (6), 2658-63.
- Lada, Charles J.** — see *Alves, João*, **113** (4), 1395-405.
- see *Horner, Donald J.*, **113** (5), 1788-98.
- see *Greene, Thomas P.*, **114** (5), 2157-65.
- Lada, Elizabeth A.** — see *Horner, Donald J.*, **113** (5), 1788-98.
- La Franca, Fabio** — The QSO evolution derived from the HBQS and other complete QSO surveys — Fabio La Franca and Stefano Cristiani; **113** (5), 1517-26.
- Laird, John B.** — see *Carney, Bruce W.*, **114** (1), 363-75.
- Lalich, A. M.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Lambert, David L.** — see *Briley, Michael M.*, **113** (1), 306-10.
- see *Gonzalez, Guillermo*, **114** (1), 341-51.
- Lame, Nancy Joanne** — see *Harrington, J. Patrick*, **113** (6), 2147-57.
- Landecker, T. L.** — see *Wallace, B. J.*, **114** (5), 2068-80.
- Landsman, Wayne B.** — see *O'Connell, Robert W.*, **114** (5), 1982-91.
- Lane, W. M.** — see *O'Dell, C. R.*, **114** (2), 730-43.
- Langer, G. E.** — see *Kraft, Robert P.*, **113** (1), 279-95.
- see *Sneden, Christopher*, **114** (5), 1964-81.
- Lanzetta, Kenneth M.** — Damped Ly α absorption associated with an early-type galaxy at redshift $z=0.16377$ — Kenneth M. Lanzetta, Arthur M. Wolfe, Hakan Altan, Xavier Barcons, Hsiao-Wen Chen, Alberto Fernández-Soto, David M. Meyer, Amelia Ortiz-Gil, Sandra Savaglio, John K. Webb, and Noriaki Yahata; **114** (4), 1337-44.

- Larkin, James E.** — see *Kundić, Tomislav*, **114** (6), 2276-83.
- Larson, Daniel T.** — A revised orbital period for M33 X-7 — Daniel T. Larson and Eric Schulman; **113** (2), 618-23.
- Latham, David W.** — see *Carney, Bruce W.*, **114** (1), 363-75.
— see *Sandberg Lacy, Claud H.*, **114** (3), 1206-20.
— see *Torres, Guillermo*, **114** (6), 2764-77.
- Lauer, Tod R.** — see *Grillmair, Carl J.*, **113** (1), 225-30.
— see *Ajhar, Edward A.*, **114** (2), 626-34.
— see *Faber, S. M.*, **114** (5), 1771-96.
- Lavezzi, T. E.** — Recovering galaxy rotation speeds from irregular emission profiles — T. E. Lavezzi and J. M. Dickey; **114** (6), 2437-47.
- Lawson, Warrick A.** — see *Feigelson, Eric D.*, **113** (6), 2130-3.
- Layden, Andrew** — see *Sarajedini, Ata*, **113** (1), 264-78.
- Lázaro, C.** — Infrared light curves and spectroscopic classification of the Algol system UX Her — C. Lázaro, I. G. Martínez-Pais, M. J. Arévalo, and E. Antonopoulos; **113** (3), 1122-8.
— Time-resolved spectroscopy of RS CVn short-period systems. I. CG Cyg, BH Vir, and ER Vul — C. Lázaro and M. J. Arévalo; **113** (6), 2283-301.
- Leahy, D. A.** — 1420 MHz continuum and polarization observations of the Cygnus Loop — D. A. Leahy, R. S. Roger, and D. Ballantyne; **114** (5), 2081-94.
- Lebzelter, Thomas** — see *Hinkle, Kenneth H.*, **114** (6), 2686-99.
- Leckrone, D. S.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Ledlow, M. J.** — see *Gómez, P. L.*, **114** (5), 1711-27.
- Lee, E. B.** — Optimal eclipsing binary systems for distance determination — E. B. Lee; **113** (3), 1106-11.
- Lee, Myung Gyoong** — *UBV* CCD photometry of the remote old open cluster AM-2 — Myung Gyoong Lee; **113** (2), 729-39.
— Young star clusters in the dwarf irregular galaxy, UGC 7636, interacting with the giant elliptical galaxy NGC 4472 — Myung Gyoong Lee, Eunhyeuk Kim, and Doug Geisler; **114** (5), 1824-33.
- Lee, See-Woo** — see *Sung, Hwankyung*, **114** (6), 2644-57.
- Lehár, J.** — The gravitationally lensed radio source MG 0751+2716 — J. Lehár, B. F. Burke, S. R. Conner, E. E. Falco, A. B. Fletcher, M. Irwin, R. G. McMahon, T. W. B. Muxlow, and P. L. Schechter; **114** (1), 48-53.
- Lehár, Joseph** — see *Falco, Emilio E.*, **113** (2), 540-9.
- Lehner, M. J.** — see *Alcock, C.*, **114** (1), 326-40.
- Lehnert, Matthew D.** — see *Meurer, Gerhardt R.*, **114** (1), 54-68.
- Leibundgut, B.** — see *Riess, A. G.*, **114** (2), 722-9.
- Leitherer, Claus** — see *Meurer, Gerhardt R.*, **114** (1), 54-68.
— see *Heckman, Timothy M.*, **114** (1), 69-76.
— see *Calzetti, Daniela*, **114** (5), 1834-49.
- Lejeune, T.** — see *Bruzual A., G.*, **114** (4), 1531-8.
- Leonard, D. C.** — see *Riess, A. G.*, **114** (2), 722-9.
- Levine, J.** — see *Romanishin, W.*, **113** (5), 1893-8.
- Lewis, B. M.** — A renewed search for water maser emission from Mira variables — B. M. Lewis; **114** (4), 1602-6.
- Liang, S.-G.** — see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- Liebert, James** — see *Ferguson, Donald H.*, **114** (3), 1227-9.
- Liller, W.** — see *Alcaino, G.*, **114** (1), 189-97.
— see *Alcaino, G.*, **114** (3), 1067-73.
— see *Alcaino, G.*, **114** (6), 2638-43.
- Liller, William** — see *Duerbeck, Hilmar W.*, **114** (4), 1657-65.
— see *Alcaino, Gonzalo*, **114** (6), 2626-37.
- Lin, D. N. C.** — see *Zaritsky, Dennis*, **114** (6), 2545-55.
- Lin, H.** — see *Sawicki, M. J.*, **113** (1), 1-12.
- Lindgren, H.** — see *Mayor, M.*, **114** (3), 1087-97.
- Linsky, J. L.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Lonsdale, Colin** — see *Barvainis, Richard*, **113** (1), 144-7.
- López, Carlos E.** — see *Dinescu, Dana I.*, **114** (3), 1014-29.
- Lovell, J. E. J.** — see *Tingay, S. J.*, **113** (6), 2025-30.
— see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- Lowenthal, James** — see *Meurer, Gerhardt R.*, **114** (1), 54-68.
- Lu, Limin** — see *Savage, Blair D.*, **113** (6), 2158-85.
- Lubin, Lori M.** — see *Kundić, Tomislav*, **114** (2), 507-10.
— see *Kundić, Tomislav*, **114** (6), 2276-83.
- Lupie, O. L.** — see *Fox, G. K.*, **113** (3), 1152-7.
— see *Fox, G. K.*, **113** (3), 1158-65.
— see *Johnson, J. J.*, **113** (6), 2200-8.
- Luppino, G. A.** — see *Henry, J. P.*, **114** (4), 1293-6.
- Luttermoser, Donald G.** — see *Castellaz, Michael W.*, **114** (4), 1584-91.
- Lyder, David A.** — A search for methanol masers in star-forming regions in the outer galaxy — David A. Lyder and John Galt; **113** (4), 1310-4.
- Lynch, David K.** — 3–12.5 μ m spectroscopy of V705 Cassiopeiae (Nova Cassiopeiae 1993) — David K. Lynch, Ray W. Russell, Robert C. Kellogg, Ann. L. Mazuk, and Martha S. Hanner; **113** (4), 1391-4.
- Lynds, C. Roger** — see *Grillmair, Carl J.*, **113** (1), 225-30.
- Lynds, Roger** — see *Hunter, Deidre A.*, **113** (5), 1691-9.

M

- Maccacaro, Tommaso** — see *Caccianiga, Alessandro*, **114** (6), 2350-2.
- Maccagni, D.** — see *Saracco, P.*, **114** (3), 887-97.
- Maccagni, Dario** — see *Garilli, Bianca*, **113** (6), 1973-82.
- MacConnell, D. Jack** — *HST*-FGS parallaxes of two high-velocity stars — D. Jack MacConnell, Wayne H. Osborn, and Richard J. Miller; **114** (3), 1268-74.
- Macintosh, B. A.** — see *Zuckerman, B.*, **113** (2), 764-6.
- Mack, J.** — see *Carollo, C. M.*, **114** (6), 2366-80.
- Mac Low, Mordecai-Mark** — see *McCaughrean, Mark J.*, **113** (1), 391-400.
- Maddalena, Ronald J.** — see *van Zee, Liese*, **113** (5), 1638-47.
- Madden, Suzanne C.** — see *Smith, Beverly J.*, **114** (1), 138-46.
- Madore, Barry F.** — see *Harris, William E.*, **113** (2), 688-91.
- Magalhães, A. M.** — see *Johnson, J. J.*, **113** (6), 2200-8.
- Magnusson, P.** — see *Mottola, S.*, **114** (3), 1234-45.
- Maia, Marcio A. G.** — see *Haynes, Martha P.*, **113** (4), 1197-211.
- Malkan, Matthew A.** — see *Zuckerman, B.*, **114** (2), 805-7.
- Malphrus, Benjamin K.** — NGC 5291: Implications for the formation of dwarf galaxies — Benjamin K. Malphrus, Caroline E. Simpson, S. T. Gottesman, and Timothy G. Hawarden; **114** (4), 1427-46.
- Mandushev, Georgi I.** — see *Turner, David G.*, **113** (6), 2104-15.
— On the blue straggler population of the globular cluster M55 — Georgi I. Mandushev, Gregory G. Fahlman, Harvey B. Richer, and Ian B. Thompson; **114** (3), 1060-6.
- Maran, S. P.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Marschall, Laurence A.** — The eclipsing double-lined spectroscopic binary system V505 Persei — Laurence A. Marschall, Robert P. Stefanik, Claud H. Lacy, Guillermo Torres, David B. Williams, and Franz Agerer; **114** (2), 793-9.
- Marsden, Brian G.** — see *Belbruno, Edward*, **113** (4), 1433-44.
- Marshall, Daniel** — see *Elmegreen, Debra Meloy*, **114** (5), 1850-7.
- Marshall, S. L.** — see *Alcock, C.*, **114** (1), 326-40.
- Marston, A. P.** — see *Appleton, P. N.*, **113** (1), 201-24.
- Martin, P. G.** — see *Clayton, Geoffrey C.*, **114** (3), 1132-7.
- Martínez-Delgado, D.** — see *Aparicio, A.*, **114** (4), 1447-57.
- Martínez-González, Enrique** — see *Ferreras, Ignacio*, **114** (5), 1728-35.
- Martínez-Pais, I. G.** — see *Lázaro, C.*, **113** (3), 1122-8.
- Martini, Paul** — see *Tiede, Glenn P.*, **114** (2), 694-8.
- Marzari, F.** — see *Farinella, P.*, **113** (6), 2312-6.
- Marzke, Ronald O.** — The galaxy luminosity function at $z \leq 0.05$: Dependence on color — Ronald O. Marzke and L. Nicolaci da Costa; **113** (1), 185-96.
— see *Geller, Margaret J.*, **114** (6), 2205-11.
- Mason, Brian D.** — see *Fekel, Francis C.*, **113** (3), 1095-105.
— Binary star orbits from speckle interferometry. XI. Orbits of twelve lunar occultation systems — Brian D. Mason; **114** (2), 808-18.
— Binary star orbits from speckle interferometry. X. Speckle-spectroscopic orbits of HR 233, 36 Tau, and 73 Leo — Brian D. Mason, Harold A. McAlister, William I. Hartkopf, R. F. Griffin, and R. E. M. Griffin; **114** (4), 1607-22.
— see *Fu, Hsieh-Hai*, **114** (4), 1623-38.
— see *Hartkopf, William I.*, **114** (4), 1639-56.
— ICCD speckle observations of binary stars. XVIII. An investigation of Be stars — Brian D. Mason, Theo ten Brummelaar, Douglas R. Gies, William I. Hartkopf, and Michelle L. Thaller; **114** (5), 2112-6.
- Mason, Christopher G.** — see *Humphreys, Roberta M.*, **114** (6), 2778-88.
- Mason, Paul A.** — High energy transient events from Cygnus X-1 and Scorpius X-1: Evidence for a source of galactic gamma-ray bursts — Paul A. Mason, Bernard J. McNamara, and Thomas E. Harrison; **114** (1), 238-43.
- Massey, Philip** — see *Hunter, Deidre A.*, **113** (5), 1691-9.
- Mateo, Mario** — see *Dohm-Palmer, Robbie C.*, **114** (6), 2514-26.
— see *Dohm-Palmer, Robbie C.*, **114** (6), 2527-44.
- Mathews, William G.** — Galactic drips and how to stop them — William G. Mathews; **113** (2), 755-63.
- Mathieu, R. D.** — see *Lacy, C. H. S.*, **113** (3), 1088-90.
- Mathieu, Robert D.** — The classical T Tauri spectroscopic binary DQ Tau. I. Orbital elements and light curves — Robert D. Mathieu, Keivan Stassun, Gibor Basri, Eric L. N. Jensen, Christopher M. Johns-Krull, Jeff A. Valenti, and Lee W. Hartmann; **113** (5), 1841-54.

- see *Jensen, Eric L. N.*, **114** (1), 301-16.
 — see *Basri, Gibor*, **114** (2), 781-92.
 — see *Walter, Frederick M.*, **114** (4), 1544-54.
Matsumoto, S. — see *Jiang, B. W.*, **113** (4), 1315-27.
Mattei, J. A. — see *Barthès, D.*, **113** (1), 373-90.
 — see *Barthès, D.*, **114** (2), 859-60.
Matteoli, S. — see *Farinella, P.*, **113** (6), 2312-6.
Matthews, Henry E. — see *Jewitt, David C.*, **113** (3), 1145-51.
Matthews, K. — see *Hogg, David W.*, **113** (2), 474-82.
 — see *Hogg, David W.*, **113** (6), 2338.
Matthews, Lynn D. — *B* and *V* CCD photometry of southern, extreme late-type spiral galaxies — Lynn D. Matthews and John S. Gallagher, III; **114** (5), 1899-919.
Maurice, E. — see *Mayor, M.*, **114** (3), 1087-97.
Mayor, M. — Radial velocities of southern stars obtained with the photoelectric scanner CORAVEL. VIII. Observations of 471 giant stars in ω Centauri — M. Mayor, G. Meylan, S. Udry, A. Duquenois, J. Andersen, B. Nordström, M. Imbert, E. Maurice, L. Prévot, A. Ardeberg, and H. Lindgren; **114** (3), 1087-97.
Mayor, Michel — see *Merritt, David*, **114** (3), 1074-86.
Mayya, Y. D. — Spatial distribution of far-infrared emission in spiral galaxies. I. Relation with radio continuum emission — Y. D. Mayya and T. N. Rengarajan; **114** (3), 932-45.
 — Spatial distribution of far-infrared emission in spiral galaxies. II. Heating sources and gas-to-dust ratio — Y. D. Mayya and T. N. Rengarajan; **114** (3), 946-57.
Mazuk, Ann. L. — see *Lynch, David K.*, **113** (4), 1391-4.
Mazurco, Christopher J. — see *Kearns, Kristin E.*, **114** (3), 1098-105.
McAlister, Harold A. — see *Fekel, Francis C.*, **113** (3), 1095-105.
 — see *Mason, Brian D.*, **114** (4), 1607-22.
 — see *Fu, Hsieh-Hai*, **114** (4), 1623-38.
 — see *Hartkopf, William L.*, **114** (4), 1639-56.
McArthur, B. — see *Hemenway, P. D.*, **114** (6), 2796-810.
McCall, Marshall L. — Discovery of a second companion of Dwingeloo 1 — Marshall L. McCall and Ronald J. Buta; **113** (3), 981-4.
McCarthy, Donald W., Jr. — see *Mutz, Steven B.*, **113** (5), 1537-47.
McCarthy, J. K. — see *Cohen, J. G.*, **113** (4), 1353-8.
McCarthy, James K. — see *Castro, Sandra*, **114** (1), 376-87.
McCaughrean, Mark J. — see *Hayward, T. L.*, **113** (1), 346-53.
 — The OMC-1 molecular hydrogen outflow as a fragmented stellar wind bubble — Mark J. McCaughrean and Mordecai-Mark Mac Low; **113** (1), 391-400.
 — see *Wilking, Bruce A.*, **114** (5), 2029-42.
McCulloch, P. M. — see *Tingay, S. J.*, **113** (6), 2025-30.
 — see *Shen, Z.-Q.*, **114** (5), 1999-2015.
McCullough, Peter R. — A correlation between Balmer H α emission and infrared cirrus — Peter R. McCullough; **113** (6), 2186-92.
McDermith, Richard J. — see *Samec, Ronald G.*, **113** (2), 800-5.
McGee, Paddy — see *Howell, Steve B.*, **113** (6), 2231-41.
McLean, Ian S. — see *Zuckerman, B.*, **114** (2), 805-7.
McMahon, R. G. — see *Léhar, J.*, **114** (1), 48-53.
McNamara, Bernard J. — see *Mason, Paul A.*, **114** (1), 238-43.
 — see *Templeton, Matthew R.*, **114** (4), 1592-601.
Meade, M. R. — see *Fox, G. K.*, **113** (3), 1152-7.
 — see *Fox, G. K.*, **113** (3), 1158-65.
 — see *Johnson, J. J.*, **113** (6), 2200-8.
 — see *Clayton, Geoffrey C.*, **114** (3), 1132-7.
Meech, Karen J. — Observations of structures in the inner coma of Chiron with the *HST* Planetary Camera — Karen J. Meech, Marc W. Buie, Nalin H. Samarasingha, Beatrice E. A. Mueller, and Michael J. S. Belton; **113** (2), 844-62.
Megeath, S. T. — The NGC 281 West Cluster. I. Star formation in photoevaporating clumps — S. T. Megeath and T. L. Wilson; **114** (3), 1106-20.
Meier, D. L. — see *Shen, Z.-Q.*, **114** (5), 1999-2015.
Méndez, René A. — see *Dinescu, Dana I.*, **114** (3), 1014-29.
Merrill, K. M. — see *Sogawa, Hisato*, **113** (3), 1057-65.
Merrill, K. Michael — see *Rice, W.*, **113** (1), 446.
Merritt, David — The stellar dynamics of M87 — David Merritt and Siang Peng Oh; **113** (4), 1279-85.
 — Recovering velocity distributions via penalized likelihood — David Merritt; **114** (1), 228-37.
 — The stellar dynamics of ω Centauri — David Merritt, Georges Meylan, and Michel Mayor; **114** (3), 1074-86.
 — see *Fridman, Tema*, **114** (4), 1479-87.
Metzger, Mark R. — see *Blakeslee, John P.*, **114** (2), 482-506.
Meurer, Gerhardt R. — The panchromatic starburst intensity limit at low and high redshift — Gerhardt R. Meurer, Timothy M. Heckman, Matthew D. Lehnert, Claus Leitherer, and James Lowenthal; **114** (1), 54-68.
 — see *Calzetti, Daniela*, **114** (5), 1834-49.
Meyer, David M. — see *Lanzetta, Kenneth M.*, **114** (4), 1337-44.
Meyer, Michael R. — see *Carpenter, John M.*, **114** (1), 198-221.
 — Intrinsic near-infrared excesses of T Tauri stars: Understanding the classical T Tauri star locus — Michael R. Meyer, Nuria Calvet, and Lynne A. Hillenbrand; **114** (1), 288-300.
 — see *Carpenter, John M.*, **114** (3), 1275.
Meylan, G. — see *Mayor, M.*, **114** (3), 1087-97.
Meylan, Georges — see *Merritt, David*, **114** (3), 1074-86.
Middleditch, John — see *Templeton, Matthew R.*, **114** (4), 1592-601.
Mighell, Kenneth J. — WFPC2 observations of the Carina dwarf spheroidal galaxy — Kenneth J. Mighell; **114** (4), 1458-70.
Mikkola, S. — see *Innanen, K. A.*, **113** (5), 1915-9.
Miles, J. W. — see *Smith, Howard A.*, **114** (6), 2658-63.
Miller, Bryan W. — see *Whitmore, Bradley C.*, **114** (5), 1797-823.
 — The star cluster system of the merger remnant NGC 7252 — Bryan W. Miller, Bradley C. Whitmore, François Schweizer, and S. Michael Fall; **114** (6), 2381-401.
Miller, Eric D. — see *Morrison, Heather L.*, **113** (6), 2061-74.
Miller, H. Richard — see *Noble, John C.*, **113** (6), 1995-9.
 — see *Jang, Minhwan*, **114** (2), 565-74.
Miller, Kristen A. — see *Hintz, Eric G.*, **113** (4), 1375-8.
Miller, Richard J. — see *MacConnell, D. Jack*, **114** (3), 1268-74.
Minniti, D. — see *Alcock, C.*, **114** (1), 326-40.
Minniti, Dante — Stellar populations of the dwarf irregular galaxy WLM — Dante Minniti and Albert A. Zijlstra; **114** (1), 147-60.
Moffat, Anthony F. J. — see *Shara, Michael M.*, **114** (1), 258-64.
Mohr, Joseph J. — Using fundamental plane distances to estimate the total binding mass in Abell 2626 — Joseph J. Mohr and Gary Wegner; **114** (1), 25-35.
Moitinho, André — CCD *UBV* photometry of the young open cluster NGC 3766 — André Moitinho, Emilio J. Alfaro, João Lin Yun, and Randy L. Phelps; **113** (4), 1359-70.
Moody, J. Ward — Discovery of a faint carbon star at high galactic latitude — J. Ward Moody, Stephen A. Gregory, Michael S. Soukup, and Eric C. Jaderlund; **113** (3), 1022-5.
 — see *Hintz, Eric G.*, **113** (4), 1375-8.
 — see *Hintz, Eric G.*, **114** (4), 1297-307.
Moran, J. M. — see *Shen, Z.-Q.*, **114** (5), 1999-2015.
Moreira, Miguel C. — Thermal radio sources in Bok globules — Miguel C. Moreira, João L. Yun, Roberto Vázquez, and José M. Torrelles; **113** (4), 1371-4.
Morgan, S. — see *Böhm-Vitense, E.*, **114** (3), 1176-82.
Morgan, Siobahn M. — Beat Cepheid period ratios from Opal opacities — Siobahn M. Morgan and Douglas L. Welch; **114** (3), 1183-9.
Morganti, R. — The H I-rich elliptical galaxy NGC 5266 — R. Morganti, E. M. Sadler, T. Oosterloo, A. Pizzella, and F. Bertola; **113** (3), 937-49.
Morrell, N. I. — see *Lacy, C. H. S.*, **113** (3), 1088-90.
Morris, Steven L. — RZ Tauri: New light curves and analysis — Steven L. Morris and Stephen A. Naftilan; **114** (5), 2145-9.
Morrison, Heather L. — Stellar populations in edge-on galaxies from deep CCD surface photometry. II. One-dimensional fits of NGC 891 — Heather L. Morrison, Eric D. Miller, Paul Harding, Daniel R. Stinebring, and Todd A. Boroson; **113** (6), 2061-74.
Morse, J. A. — see *Lacy, C. H. S.*, **113** (3), 1088-90.
Morse, Jon A. — see *Davidson, Kris*, **113** (1), 335-45.
 — see *Reipurth, Bo*, **114** (2), 757-80.
 — see *O'Dell, C. R.*, **114** (5), 2016-28.
 — see *Harvanek, Michael*, **114** (6), 2240-53.
 — see *Jacoby, George H.*, **114** (6), 2611-25.
Mottola, S. — Physical model of near-earth asteroid 6489 Golevka (1991 JX) from optical and infrared observations — S. Mottola, A. Erikson, A. W. Harris, G. Hahn, G. Neukum, M. W. Buie, W. D. Sears, A. W. Harris, D. J. Tholen, R. J. Whiteley, P. Magnusson, J. Piironen, T. Kwiatkowski, W. Borczyk, E. S. Howell, M. D. Hicks, R. Fevig, Yu. N. Krugly, F. P. Velichko, V. G. Chorny, N. M. Gaftonyuk, M. Di Martino, P. Pravec, L. Šarounová, M. Wolf, W. Worman, J. K. Davies, H.-J. Schober, and W. Pych; **114** (3), 1234-45.
Mould, J. R. — see *Han, M.*, **113** (3), 1001-10.
Mould, Jeremy R. — see *Holtzman, Jon A.*, **113** (2), 656-68.
 — see *Cole, Andrew A.*, **114** (5), 1945-50.
Mozurkewich, D. — see *Benson, J. A.*, **114** (3), 1221-6.
 — see *Hutter, D. J.*, **114** (6), 2822-33.

- Mueller, Beatrice E. A. — see Meech, Karen J., **113** (2), 844-62.
 Mulchaey, John S. — see Davis, Davis S., **114** (2), 613-25.
 Mullis, C. R. — see Henry, J. P., **114** (4), 1293-6.
 Mundt, Reinhard — see Eislöffel, Jochen, **114** (1), 280-7.
 Murphy, D. W. — see Shen, Z.-Q., **114** (5), 1999-2015.
 Murray, N. — Diffusive chaos in the outer Asteroid belt — N. Murray and M. Holman; **114** (3), 1246-59.
 Musella, Ilaria — On the Cepheid variables of nearby galaxies. III. NGC 3109 — Ilaria Musella, Giampaolo Piotto, and Massimo Capaccioli; **114** (3), 976-87.
 Mushotzky, R. — see Ptak, A., **113** (4), 1286-95.
 Mutz, S. B. — see Schmidtke, P. C., **113** (2), 569-84.
 Mutz, Steven B. — High-resolution V, I, and K-band imaging of faint field galaxies from the HST medium-deep survey — Steven B. Mutz, Rogier A. Windhorst, David Wittman, Laird M. Close, and Donald W. McCarthy, Jr.; **113** (5), 1537-47.
 Muxlow, T. W. B. — see Leah, J., **114** (1), 48-53.
 Müyesseröglü, Zekeriya — see Kim, Chun-Hwey, **114** (6), 2753-63.
 Myers, Jeannette M. — see Hakkila, Jon, **114** (5), 2043-53.

N

- Naftilan, Stephen A. — see Morris, Steven L., **114** (5), 2145-9.
 Nakada, Y. — see Jiang, B. W., **113** (4), 1315-27.
 Nakajima, T. — see Oppenheimer, B. R., **113** (1), 296-305.
 Napiwotzki, Ralf — see Ferguson, Donald H., **114** (3), 1227-9.
 Navarro, S. G. — see Tovmassian, H. M., **113** (5), 1888-92.
 Neff, James E. — see Dempsey, Robert C., **113** (2), 871.
 — see O'Neal, Douglas, **113** (3), 1129-37.
 Neff, S. G. — see Hutchings, J. B., **113** (2), 550-61.
 — see Hutchings, J. B., **113** (5), 1514-6.
 Neff, Susan G. — see Cornett, Robert H., **113** (3), 1011-21.
 — see Fanelli, Michael N., **114** (2), 575-84.
 — see O'Connell, Robert W., **114** (5), 1982-91.
 Neill, James D. — see Smith, Edgar O., **114** (4), 1471-8.
 Nelan, E. — see Hemenway, P. D., **114** (6), 2796-810.
 Neugebauer, G. — see Hogg, David W., **113** (2), 474-82.
 — see Hogg, David W., **113** (6), 2338.
 Neuhäuser, Ralph — see Walter, Frederick M., **114** (4), 1544-54.
 Neukum, G. — see Motola, S., **114** (3), 1234-45.
 Nichol, R. C. — see Holden, B. P., **114** (5), 1701-10.
 Nicolson, G. — see Tingay, S. J., **113** (6), 2025-30.
 Nicolson, G. D. — see Shen, Z.-Q., **114** (5), 1999-2015.
 Ninkov, Zoran — see Horch, Elliott P., **114** (5), 2117-27.
 Nishihara, E. — see Jiang, B. W., **113** (4), 1315-27.
 Noble, John C. — The time scales of the optical variability of Blazars. IV. OI 090.4 — John C. Noble, Michael T. Carini, H. Richard Miller, and Bret Goodrich; **113** (6), 1995-9.
 Nolthenius, R. — see Burstein, David, **114** (4), 1365-92.
 Nordgren, Tyler E. — Close galaxy pairs in medium density regions: The Northern Sky — Tyler E. Nordgren, Jayaram N. Chengalur, E. E. Salpeter, and Yervant Terzian; **114** (1), 77-93.
 — Close galaxy pairs in low and medium density regions: The Southern Sky — Tyler E. Nordgren, Jayaram N. Chengalur, E. E. Salpeter, and Yervant Terzian; **114** (3), 913-31.
 Nordsieck, K. H. — see Fox, G. K., **113** (3), 1152-7.
 — see Fox, G. K., **113** (3), 1158-65.
 Nordsieck, Kenneth H. — see Clayton, Geoffrey C., **114** (3), 1132-7.
 Nordström, B. — see Mayor, M., **114** (3), 1087-97.
 Nordström, Birgitta — see Torres, Guillermo, **114** (6), 2764-77.
 Noriega-Crespo, A. — see Curiel, S., **114** (6), 2736-46.
 Noriega-Crespo, Alberto — Bow shocks around runaway stars. III. The high resolution maps — Alberto Noriega-Crespo, Dave Van Buren, and Ruth Dgani; **113** (2), 780-6.
 — A parsec-size bow shock around Betelgeuse — Alberto Noriega-Crespo, Dave Van Buren, Yu Cao, and Ruth Dgani; **114** (2), 837-40.
 Noriega-Mendoza, H. — A technique for simultaneous determination of the metallicity and reddening of old open clusters using (V,B-V) color-magnitude diagrams — H. Noriega-Mendoza and A. Ruelas-Mayorga; **113** (2), 722-8.

O

- O'Connell, Robert W. — see Cornett, Robert H., **113** (3), 1011-21.
 — see Fanelli, Michael N., **114** (2), 575-84.

- Ultraviolet imaging of the globular cluster 47 Tucanae — Robert W. O'Connell, Ben Dorman, Ronak Y. Shah, Robert T. Rood, Wayne B. Landsman, Adolf N. Witt, Ralph C. Bohlin, Susan G. Neff, Morton S. Roberts, Andrew M. Smith, and Theodore P. Stecher; **114** (5), 1982-91.
 O'Dea, Christopher P. — Constraints on radio source evolution from the compact steep spectrum and GHz peaked spectrum radio sources — Christopher P. O'Dea and Stefi A. Baum; **113** (1), 148-61.
 O'Dell, C. R. — Herbig Haro Objects in the Orion nebula — C. R. O'Dell, Patrick Hartigan, W. M. Lane, S. K. Wong, Michael G. Burton, John Raymond, and David J. Axon; **114** (2), 730-43.
 — High velocity features in the Orion Nebula — C. R. O'Dell, Patrick Hartigan, John Bally, and Jon A. Morse; **114** (5), 2016-28.
 Odewahn, Stephen C. — The axis ratio distribution of local and distant galaxies — Stephen C. Odewahn, David Burstein, and Rogier A. Windhorst; **114** (6), 2219-31.
 Oh, Siang Peng — see Merritt, David, **113** (4), 1279-85.
 Ohnishi, Kouji — see Hosokawa, Mizuhiko, **114** (4), 1508-16.
 Ohtani, Hiroshi — see Kaneko, Noboru, **114** (1), 94-101.
 Olah, Katalin — see Dempsey, Robert C., **113** (2), 871.
 Olson, Edward C. — Ry Persei: An early-type interacting close binary — Edward C. Olson and Mirek J. Plavec; **113** (1), 425-32.
 O'Neal, Douglas — see Dempsey, Robert C., **113** (2), 871.
 — OH 1.563 μ m absorption from starspots on active stars — Douglas O'Neal and James E. Neff; **113** (3), 1129-37.
 O'Neil, Earl J. — see Hunter, Deidre A., **113** (5), 1691-9.
 O'Neil, Karen — A wide field CCD survey for low surface brightness galaxies. I. Data acquisition, description, and initial results — Karen O'Neil, G. D. Bothun, and Mark E. Cornell; **113** (4), 1212-38.
 — A wide field CCD survey for low surface brightness galaxies. II. Color distributions, stellar populations, and missing baryons — Karen O'Neil, G. D. Bothun, J. Schombert, Mark E. Cornell, and C. D. Impey; **114** (6), 2448-62.
 O'Neil, Jr., Earl J. — see Grillmair, Carl J., **113** (1), 225-30.
 Oosterloo, T. — see Arnaboldi, M., **113** (2), 585-98.
 — see Morganti, R., **113** (3), 937-49.
 Oosterloo, Tom — see Walsh, Wilfred, **113** (5), 1591-606.
 Oppenheimer, B. R. — Lithium in very low-mass stars in the Pleiades — B. R. Oppenheimer, G. Basri, T. Nakajima, and S. R. Kulkarni; **113** (1), 296-305.
 — A survey of the Einstein IPC database for extended x-ray sources — B. R. Oppenheimer, D. J. Helfand, and E. J. Gaidos; **113** (6), 2134-46.
 Orosz, Jerome A. — see Kozhurina-Platais, Vera, **113** (3), 1045-56.
 — Variable radial velocities among composite-spectrum binaries in the PG Catalog — Jerome A. Orosz, Richard A. Wade, and Jason J. B. Harlow; **114** (1), 317-25.
 Ortiz-Gil, Amelia — see Lanzetta, Kenneth M., **114** (4), 1337-44.
 Ortolani, S. — see Bruzual, G., **114** (4), 1531-8.
 Osborn, Wayne H. — see MacConnell, D. Jack, **114** (3), 1268-74.
 Osmer, Patrick S. — see Kenefick, Julia D., **114** (6), 2269-75.
 Ostheimer, James C., Jr. — see Sarajedini, Ata, **114** (6), 2505-13.
 Otrupcek, R. — see Green, A. J., **114** (5), 2058-67.

P

- Pahre, Michael A. — see Hogg, David W., **113** (2), 474-82.
 — see Hogg, David W., **113** (6), 2338.
 Palmer, Patrick — see Butler, Bryan J., **113** (4), 1429-32.
 Pantoja, Carmen A. — 21-cm line observations of galaxies in the Zone of Avoidance — Carmen A. Pantoja, Daniel R. Altschuler, Carlo Giovanardi, and Riccardo Giovanelli; **113** (3), 905-36.
 Paolantonio, S. — see Agüero, E. L., **114** (1), 102-6.
 Papadopoulos, Padeli P. — see Frayer, David T., **113** (2), 562-8.
 Parker, Joel Wm. — see Cornett, Robert H., **113** (3), 1011-21.
 — Ultraviolet observations of Chiron with the HST/FOS: Examining a Centaur's gray matter — Joel Wm. Parker, S. Alan Stern, Michel C. Festou, Michael F. A'Hearn, and David A. Weintraub; **113** (5), 1899-908.
 Parthasarathy, M. — see Vijapurkar, Jyotsna, **114** (4), 1573-5.
 Partridge, R. B. — see Richards, E. A., **113** (5), 1475-82.
 Pascarelle, S. M. — see Schmidtke, P. C., **113** (2), 569-84.
 Pastwick, Lora — see Szkody, Paula, **113** (6), 2276-82.
 Pauley, Brandy R. — see Samec, Ronald G., **113** (1), 401-6.
 Pauls, T. A. — see Benson, J. A., **114** (3), 1221-6.
 Pecci, F. Fusí — see Buonanno, R., **113** (2), 706-12.
 Peña, Miriam — see Coziol, Roger, **113** (5), 1548-58.

- Pereira, C. B.** — A detailed analysis of the high-resolution spectra of the symbiotic star BD-21° 3873 — C. B. Pereira and G. F. Porto de Mello; **114** (5), 2128-39.
- Perley, Rick A.** — see *Fernini, Ilias*, **114** (6), 2292-312.
- Perrett, Kathryn M.** — The globular cluster systems of NGC 1400 and NGC 1407 — Kathryn M. Perrett, David A. Hanes, Steven T. Butterworth, JJ Kavelaars, Doug Geisler, and William E. Harris; **113** (3), 895-904.
- Perryman, M. A. C.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Persi, Paolo** — see *Tapia, Mauricio*, **113** (5), 1769-87.
- Peterson, B. A.** — see *Alcock, C.*, **114** (1), 326-40.
- Peterson, E. R.** — see *Hutter, D. J.*, **114** (6), 2822-33.
- Petipas, Glen R.** — see *Harris, William E.*, **114** (3), 1043-50.
- Pevunova, Olga** — see *Harris, William E.*, **113** (2), 688-91.
- Phelps, Randy** — see *Cole, Andrew A.*, **113** (5), 1700-10.
- Phelps, Randy L.** — see *Harris, William E.*, **113** (2), 688-91.
- see *Motinho, André*, **113** (4), 1359-70.
- see *Kassisi, Marc*, **113** (5), 1723-32.
- Phillips, M. M.** — see *Riess, A. G.*, **114** (2), 722-9.
- Piatti, Andrés E.** — see *Geisler, Doug*, **114** (5), 1920-32.
- Pickering, T. E.** — see *Quillen, A. C.*, **113** (6), 2075-86.
- Neutral hydrogen distributions and kinematics of giant low surface brightness disk galaxies — T. E. Pickering, C. D. Impey, J. H. van Gorkom, and G. D. Bothun; **114** (5), 1858-82.
- Pier, Jeffrey R.** — see *Robertson, Jeff W.*, **113** (2), 787-91.
- Piersimoni, Anna** — see *Bono, Giuseppe*, **113** (6), 2209-18.
- Piironen, J.** — see *Mottola, S.*, **114** (3), 1234-45.
- Pilachowski, C.** — Carbon isotope ratios from the first overtone CO bands in metal-poor giants — C. Pilachowski, C. Sneden, K. Hinkle, and R. Joyce; **114** (2), 819-24.
- Pilachowski, Catherine A.** — see *Kraft, Robert P.*, **113** (1), 279-95.
- Pineault, Serge** — The infrared environment of the Wolf-Rayet star WR 134 — Serge Pineault and Susan Terebey; **113** (1), 433-8.
- Pinkney, J.** — see *Gómez, P. L.*, **114** (5), 1711-27.
- Piotto, Giampaolo** — A comparison of deep *HST* luminosity functions of four globular clusters — Giampaolo Piotto, Adrienne M. Cool, and Ivan R. King; **113** (4), 1345-52.
- see *Musella, Ilaria*, **114** (3), 976-87.
- Pisani, Armando** — see *Ramella, Massimo*, **113** (2), 483-91.
- Pizzella, A.** — see *Morganti, R.*, **113** (3), 937-49.
- Platais, Imants** — see *Kozhurina-Platais, Vera*, **113** (3), 1045-56.
- Plavec, Mirek J.** — see *Olson, Edward C.*, **113** (1), 425-32.
- Pogge, R. W.** — see *Berlind, Andreas A.*, **114** (1), 107-14.
- Popper, Daniel M.** — Erratum: "Orbits of detached main-sequence eclipsing binaries of types late F to K. I. RT Andromedae and CG Cygni" [Astron. J., **108**, 1091, (1994)] — Daniel M. Popper; **113** (4), 1457 (E).
- Orbits of detached main-sequence eclipsing binaries of types late F to K. II. UV Leonis, UV Piscium, and BH Virginis — Daniel M. Popper; **114** (3), 1195-205.
- Porto de Mello, G. F.** — see *Pereira, C. B.*, **114** (5), 2128-39.
- Postman, Marc** — see *Ajhar, Edward A.*, **114** (2), 626-34.
- Pratt, M. R.** — see *Alcock, C.*, **114** (1), 326-40.
- Pravec, P.** — see *Mottola, S.*, **114** (3), 1234-45.
- Preston, George W.** — HD 195636: A metal-poor rotator near the HB/AGB transition — George W. Preston; **113** (5), 1860-4.
- Preston, R.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Preston, R. A.** — see *Tingay, S. J.*, **113** (6), 2025-30.
- Prévot, L.** — see *Mayor, M.*, **114** (3), 1087-97.
- Prialnik, Dina** — see *Shara, Michael M.*, **114** (1), 258-64.
- Prieto, Mercedes** — Structural components of NGC 5850 — Mercedes Prieto, S. T. Gottesman, Jose-Alfonso L. Aguerri, and Antonia-Maria Varela; **114** (4), 1413-26.
- Prosser, Charles F.** — see *Sneden, Christopher*, **114** (5), 1964-81.
- Pryor, Carlton** — see *Gebhardt, Karl*, **113** (3), 1026-38.
- Ptak, A.** — The complex x-ray spectra of M82 and NGC 253 — A. Ptak, P. Serlemitsos, T. Yaqoob, R. Mushotzky, and T. Tsuru; **113** (4), 1286-95.
- Puchnarewicz, Elizabeth M.** — see *Barth, Aaron J.*, **114** (6), 2313-22.
- Punsly, Brian** — The statistical significance of quasar identifications of EGRET sources — Brian Punsly; **114** (2), 544-53.
- Pych, W.** — see *Mottola, S.*, **114** (3), 1234-45.
- Quillen, A. C.** — Spiral structure based limits on the disk mass of the low surface brightness galaxies UGC 6614 and F568-6 — A. C. Quillen and T. E. Pickering; **113** (6), 2075-86.
- see *Berlind, Andreas A.*, **114** (1), 107-14.
- Quinn, P. J.** — see *Alcock, C.*, **114** (1), 326-40.
- Quinn, Peter J.** — see *Carignan, Claude*, **113** (5), 1585-90.
- see *Côté, Stéphanie*, **114** (4), 1313-29.
- R**
- Raga, A.** — see *Curiel, S.*, **114** (6), 2736-46.
- Ramella, Massimo** — Groups of galaxies in the northern CfA redshift survey — Massimo Ramella, Armando Pisani, and Margaret J. Geller; **113** (2), 483-91.
- Ramírez, S. V.** — Luminosity and temperature from near-infrared spectra of late-type giant stars — S. V. Ramírez, D. L. DePoy, Jay A. Frogel, K. Sellgren, and R. D. Blum; **113** (4), 1411-20.
- Ramond, T. M.** — see *Blum, R. D.*, **113** (5), 1855-9.
- Randall, C. E.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Rathore, Yasser** — see *Fesen, Robert A.*, **113** (2), 767-79.
- Raychaudhury, Somak** — Tests of the Tully-Fisher relation. II. Scatter using optical rotation curves — Somak Raychaudhury, Kaspar von Braun, Gary M. Bernstein, and Puragra Guhathakurta; **113** (6), 2046-53.
- Raymond, J.** — see *Curiel, S.*, **114** (6), 2736-46.
- Raymond, John** — see *O'Dell, C. R.*, **114** (2), 730-43.
- Rayner, John T.** — see *Wilking, Bruce A.*, **114** (5), 2029-42.
- Recillas, Elsa** — see *Garilli, Bianca*, **113** (6), 1973-82.
- Reed, B. Cameron** — A radial velocity database for Stephenson-Sanduleak southern luminous stars — B. Cameron Reed and Kristine M. Kuhna; **113** (2), 823-6.
- Regan, Michael W.** — K-band observations of barred spiral galaxies — Michael W. Regan and Debra Meloy Elmegreen; **114** (3), 965-75.
- Reichert, Gail A.** — see *Barth, Aaron J.*, **114** (6), 2313-22.
- Reid, I. Neill** — see *Hawley, Suzanne L.*, **113** (4), 1458-69.
- Low-mass binaries and the stellar luminosity function — I. Neill Reid and John E. Gizis; **113** (6), 2246-69.
- Younger and brighter—New distances to globular clusters based on *Hipparcos* parallax measurements of local subdwarfs — I. Neill Reid; **114** (1), 161-79.
- Low-mass binaries in the Hyades: A scarcity of brown dwarfs — I. Neill Reid and John E. Gizis; **114** (5), 1992-8.
- Reipurth, Bo** — *Hubble Space Telescope* images of the HH 111 jet — Bo Reipurth, Patrick Hartigan, Steve Heathcote, Jon A. Morse, and John Bally; **114** (2), 757-80.
- see *Devine, David*, **114** (5), 2095-111.
- Infrared spectroscopy of Herbig-Haro energy sources — Bo Reipurth and Colin Aspin; **114** (6), 2700-7.
- Giant Herbig-Haro flows — Bo Reipurth, John Bally, and David Devine; **114** (6), 2708-35.
- Remage Evans, Nancy** — The orbit of the classical Cepheid V350 Sgr — Nancy Remage Evans and Benjamin J. A. Sugars; **113** (2), 792-9.
- Rengarajan, T. N.** — see *Mayya, Y. D.*, **114** (3), 932-45.
- see *Mayya, Y. D.*, **114** (3), 946-57.
- Reynolds, J. E.** — see *Tingay, S. J.*, **113** (6), 2025-30.
- see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- Rhee, George** — see *Fischer, Philippe*, **113** (2), 521-30.
- see *Harvanek, Michael*, **114** (6), 2240-53.
- Rice, W.** — Erratum: "Near-infrared structure of the edge-on spiral NGC 4565" [AJ, **112**, 114 (1996)] — W. Rice, K. Michael Merrill, Ian Gatley, and F. C. Gillett; **113** (1), 446 (E).
- Rich, R. Michael** — see *Castro, Sandra*, **114** (1), 376-87.
- see *Smith, Edgar O.*, **114** (4), 1471-8.
- Richards, E. A.** — Detection of a small-scale cosmic microwave background decrement at 3.6 cm — E. A. Richards, E. B. Fomalont, K. I. Kellermann, R. B. Partridge, and R. A. Windhorst; **113** (5), 1475-82.
- Richer, Harvey B.** — see *Harris, William E.*, **114** (3), 1030-42.
- see *Mandushev, Georgi I.*, **114** (3), 1060-6.
- see *Holland, Stephen*, **114** (4), 1488-507.
- Richstone, Douglas** — see *Faber, S. M.*, **114** (5), 1771-96.
- Rickard, L. J.** — see *Benson, J. A.*, **114** (3), 1221-6.
- Ridgway, Susan E.** — Deep WFC2 and ground-based imaging of a complete sample of 3C quasars and galaxies — Susan E. Ridgway and Alan Stockton; **114** (2), 511-43.
- Riess, A. G.** — Time dilation from spectral feature age measurements of Type Ia supernovae — A. G. Riess, A. V. Filippenko, D. C.

- Leonard, B. P. Schmidt, N. Suntzeff, M. M. Phillips, R. Schommer, A. Clocchiatti, R. P. Kirshner, P. Garnavich, P. Challis, B. Leibundgut, J. Spyromilio, and R. C. Smith; **114** (2), 722-9.
- Rigaut, F.** — see *Davidge, T. J.*, **113** (6), 2094-103.
— see *Davidge, T. J.*, **114** (6), 2586-95.
- Robbeto, M.** — see *Herbst, T. M.*, **114** (2), 744-56.
- Roberts, Bryce** — see *Howell, Steve B.*, **113** (6), 2231-41.
- Roberts, Bryce A.** — see *Craig, Nahide*, **114** (1), 244-57.
- Roberts, Lewis C., Jr.** — see *Hartkopf, William L.*, **114** (4), 1639-56.
- Roberts, Morton S.** — see *Cornett, Robert H.*, **113** (3), 1011-21.
— see *Schulman, Eric*, **113** (5), 1559-68.
— see *van Zee, Liese*, **113** (5), 1638-47.
— see *Fanelli, Michael N.*, **114** (2), 575-84.
— see *O'Connell, Robert W.*, **114** (5), 1982-91.
- Robertson, Jeff W.** — High-state/low-state behavior in the long-term light curve of V Sagittae — Jeff W. Robertson, R. Kent Honeycutt, and Jeffrey R. Pier; **113** (2), 787-91.
- Robinson, R.** — see *Böhm-Vitense, E.*, **114** (3), 1176-82.
- Rodgers, A. W.** — see *Alcock, C.*, **114** (1), 326-40.
- Roger, R. S.** — see *Leahy, D. A.*, **114** (5), 2081-94.
- Romanishin, W.** — BVR photometry of Centaur objects 1995 GO, 1993 HA₂, and 5145 Pholus — W. Romanishin, S. C. Tegler, J. Levine, and N. Butler; **113** (5), 1893-8.
— see *Tegler, S. C.*, **114** (3), 1230-3.
- Romer, A. K.** — see *Holden, B. P.*, **114** (5), 1701-10.
- Roming, Peter W. A.** — see *Hintz, Eric G.*, **113** (4), 1375-8.
- Rood, Robert T.** — see *O'Connell, Robert W.*, **114** (5), 1982-91.
- Rose, James A.** — see *Caldwell, Nelson*, **113** (2), 492-520.
- Rubin, Vera C.** — Rapidly rotating circumnuclear gas disks in Virgo disk galaxies — Vera C. Rubin, Jeffrey D. P. Kenney, and Judith S. Young; **113** (4), 1250-78.
- Rucinski, Slawek M.** — Eclipsing binaries in the OGLE variable star catalog. I. W UMa-type systems as distance and population tracers in Baade's Window — Slawek M. Rucinski; **113** (1), 407-24.
— Eclipsing binaries in the OGLE Variable Star Catalog. II. Light curves of the W UMa-type systems in Baade's window — Slawek M. Rucinski; **113** (3), 1112-21.
- Ruelas-Mayorga, A.** — see *Noriega-Mendoza, H.*, **113** (2), 722-8.
- Rugers, Martin H.** — see *Hogan, Craig J.*, **113** (5), 1495-504.
- Russell, Ray W.** — see *Lynch, David K.*, **113** (4), 1391-4.
- S**
- Sadler, E. M.** — see *Morganti, R.*, **113** (3), 937-49.
- Sage, L. J.** — Molecular gas and star formation within galaxies in the Bootes Void — L. J. Sage, D. Weistrop, S. Cruzen, and C. Kömpe; **114** (5), 1753-7.
- Saha, A.** — see *Dohm-Palmer, Robbie C.*, **114** (6), 2514-26.
— see *Dohm-Palmer, Robbie C.*, **114** (6), 2527-44.
- Saha, Prasenjit** — A parallel integration method for solar system dynamics — Prasenjit Saha, Joachim Stadel, and Scott Tremaine; **114** (1), 409-15.
- Saitō, Mamoru** — see *Tomita, Akihiko*, **114** (5), 1758-70.
- Sallmen, S.** — see *Backer, D. C.*, **114** (4), 1539-43.
- Salpeter, E. E.** — see *Nordgren, Tyler E.*, **114** (1), 77-93.
— see *Nordgren, Tyler E.*, **114** (3), 913-31.
- Salzer, John J.** — see *Giovannelli, Riccardo*, **113** (1), 22-52.
— see *Giovannelli, Riccardo*, **113** (1), 53-79.
— see *Haynes, Martha P.*, **113** (4), 1197-211.
— see *van Zee, Liese*, **113** (5), 1618-37.
— see *van Zee, Liese*, **114** (6), 2479-96.
— see *van Zee, Liese*, **114** (6), 2497-504.
- Samarasinha, Nalin H.** — see *Meech, Karen J.*, **113** (2), 844-62.
- Samec, Ronald G.** — U, B, V light curves of the short-period solar-type eclipsing binary, V417 Aquilae — Ronald G. Samec, Brandy R. Pauley, and Brian J. Carrigan; **113** (1), 401-6.
— UBVR CCD observations and analyses for the near-contact binary, LP Cephei — Ronald G. Samec, Richard J. McDermith, Brian J. Carrigan, and Jamison D. Gray; **113** (2), 800-5.
— see *Gray, Jamison D.*, **113** (6), 2270-5.
- Samus, N.** — see *Alcaino, G.*, **114** (1), 189-97.
— see *Alcaino, G.*, **114** (3), 1067-73.
— see *Alcaino, G.*, **114** (6), 2638-43.
- Sandberg Lacy, Claud H.** — Absolute dimensions and masses of AD Bootis — Claud H. Sandberg Lacy; **113** (4), 1406-10.
— Absolute dimensions and masses of SW Canis Majoris — Claud H. Sandberg Lacy; **113** (6), 2226-30.
— Absolute dimensions and masses of IT Cassiopeiae — Claud H. Sandberg Lacy, Guillermo Torres, David W. Latham, Mamnun M. Zakirov, and G. C. Arzumanyants; **114** (3), 1206-20.
— Absolute dimensions and masses of eclipsing binary stars: The anomalous triple star V909 Cygni — Claud H. Sandberg Lacy; **114** (5), 2140-4.
- Sanders, D. B.** — see *Goldader, Jeffrey D.*, **113** (5), 1569-79.
- Sanders, W.** — see *Johnson, J. J.*, **113** (6), 2200-8.
- Sanders, W. T.** — see *Fox, G. K.*, **113** (3), 1152-7.
— see *Fox, G. K.*, **113** (3), 1158-65.
- Sangalli, Giorgio** — see *Garilli, Bianca*, **113** (6), 1973-82.
- Santolamazza, Patrizia** — see *Bono, Giuseppe*, **113** (6), 2209-18.
- Santos, João F. C., Jr.** — see *Geisler, Doug*, **114** (5), 1920-32.
- Santos, Michael** — see *Elmegreen, Debra Meloy*, **114** (5), 1850-7.
- Saracco, P.** — The ESO K'-band galaxy survey. I. Galaxy counts — P. Saracco, A. Iovino, B. Garilli, D. Maccagni, and G. Chincarini; **114** (3), 887-97.
- Saraiva, M. F.** — BVRI and H α surface photometry of the triple-ringed galaxy IC 4214 — M. F. Saraiva; **113** (5), 1607-17.
- Sarajedini, Ata** — Reddenings, metallicities, and possible abundance anomalies in young globular clusters — Ata Sarajedini and Andrew Layden; **113** (1), 264-78.
— Palomar 14: A young globular cluster in the outer Galactic halo — Ata Sarajedini; **113** (2), 682-7.
— The properties of the Antlia dwarf galaxy — Ata Sarajedini, C. F. Claver, and James C. Osheimer, Jr.; **114** (6), 2505-13.
- Sarazin, Craig L.** — see *Irwin, Jimmy A.*, **113** (5), 1580-4.
- Sargent, W. L. W.** — see *Barlow, Thomas A.*, **113** (1), 136-43.
- Sargent, Wallace L. W.** — see *Small, Todd A.*, **114** (6), 2254-68.
- Sarma, M. B. K.** — RY Geminorum—Revised elements — M. B. K. Sarma and P. Vivekananda Rao; **114** (2), 800-4.
- Sarounová, L.** — see *Mottola, S.*, **114** (3), 1234-45.
- Sasaki, Minoru** — see *Kaneko, Noboru*, **114** (1), 94-101.
- Satoh, Tetsuya** — see *Kaneko, Noboru*, **114** (1), 94-101.
- Savage, B. D.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Savage, Blair D.** — Absorption by highly ionized interstellar gas along extragalactic and Galactic sight lines — Blair D. Savage, Kenneth R. Sembach, and Limin Lu; **113** (6), 2158-85.
— see *Howk, J. Christopher*, **114** (6), 2463-78.
- Savaglio, Sandra** — see *Lanzetta, Kenneth M.*, **114** (4), 1337-44.
- Sawicki, M. J.** — Evolution of the galaxy population based on photometric redshifts in the Hubble Deep Field — M. J. Sawicki, H. Lin, and H. K. Yee; **113** (1), 1-12.
- Scarfe, C. D.** — see *Fekel, Francis C.*, **113** (3), 1095-105.
- Scharlach, Werner W. G.** — see *Hinkle, Kenneth H.*, **114** (6), 2686-99.
- Schechter, P. L.** — see *Lehar, J.*, **114** (1), 48-53.
- Scheible, Maureen P.** — see *Sion, Edward M.*, **113** (1), 364-72.
- Schiavon, R. P.** — see *Bruzual A., G.*, **114** (4), 1531-8.
- Schild, Rudolph E.** — see *Geller, Margaret J.*, **114** (6), 2205-11.
- Schild, Rudy** — The Q0957+561 time delay from optical data — Rudy Schild and David J. Thomson; **113** (1), 130-5.
- Schlegel, Eric M.** — A ROSAT PSPC study of NGC 55 — Eric M. Schlegel, Paul Barrett, and Kulinder Pal Singh; **113** (4), 1296-309.
- Schmidt, B. P.** — see *Riess, A. G.*, **114** (2), 722-9.
- Schmidt, Maarten** — see *Schneider, Donald P.*, **114** (1), 36-40.
— see *Stephens, Andrew W.*, **114** (1), 41-7.
— see *Dalcanton, Julianne J.*, **114** (2), 635-54.
— see *Dalcanton, Julianne J.*, **114** (5), 2178.
- Schmidtke, P. C.** — The HST Medium Deep Survey: Light profiles and redshifts for field galaxies with $z \leq 0.6$ — P. C. Schmidtke, R. A. Windhorst, S. B. Mutz, S. M. Pascarella, B. E. Franklin, and R. E. Griffiths; **113** (2), 569-84.
— see *Crampton, David*, **114** (6), 2353-65.
- Schmitt, Henrique R.** — The spectral energy distribution of normal, starburst, and active galaxies — Henrique R. Schmitt, Anne L. Kinney, Daniela Calzetti, and Thaisa Storchi Bergmann; **114** (2), 592-612.
- Schmitt, Jürgen H. M. M.** — see *Sterzik, Michael F.*, **114** (4), 1673-8.
- Schneider, Donald P.** — see *Cohen, Randi L.*, **113** (2), 669-81.
— Four faint optically-selected quasars with redshifts greater than four — Donald P. Schneider, Maarten Schmidt, and James E. Gunn; **114** (1), 36-40.
— see *Stephens, Andrew W.*, **114** (1), 41-7.
— see *Dalcanton, Julianne J.*, **114** (2), 635-54.
— see *Dalcanton, Julianne J.*, **114** (5), 2178.
- Schober, H.-J.** — see *Mottola, S.*, **114** (3), 1234-45.
- Schombert, J.** — see *O'Neil, Karen*, **114** (6), 2448-62.

- Schommer, R.** — see *Riess, A. G.*, **114** (2), 722-9.
Schommer, R. A. — see *von Hippel, Ted*, **114** (3), 1154-64.
Schulman, Eric — see *Larson, Daniel T.*, **113** (2), 618-23.
 — UGC 12732: A disk galaxy lacking high-velocity clouds — Eric Schulman, Elias Brinks, Joel N. Bregman, and Morton S. Roberts; **113** (5), 1559-68.
Schulte-Ladbeck, R. E. — see *Johnson, J. J.*, **113** (6), 2200-8.
Schwartz, Richard D. — Infrared imaging of HH 25/26 and HH 42/128 — Richard D. Schwartz, Michael G. Burton, and Joseph Herrmann; **114** (1), 272-9.
Schweizer, François — see *Whitmore, Bradley C.*, **114** (5), 1797-823.
 — see *Miller, Bryan W.*, **114** (6), 2381-401.
Scodreggio, Marco — The relative distance between the clusters of galaxies A2634 and coma — Marco Scodreggio, Riccardo Giovanelli, and Martha P. Haynes; **113** (1), 101-16.
 — An economical technique for the estimate of galaxy distances: The photometric fundamental plane — Marco Scodreggio, Riccardo Giovanelli, and Martha P. Haynes; **113** (6), 2087-93.
 — see *Dale, Daniel A.*, **114** (2), 455-73.
Scoville, N. Z. — see *Frayer, David T.*, **113** (2), 562-8.
Scowen, P. — see *Han, M.*, **113** (3), 1001-10.
Scowen, Paul A. — see *Grillmair, Carl J.*, **113** (1), 225-30.
 — see *Devereux, Nicholas A.*, **113** (1), 236-48.
 — see *Holtzman, Jon A.*, **113** (2), 656-68.
 — see *Cole, Andrew A.*, **114** (5), 1945-50.
Seagust, E. R. — see *Frayer, David T.*, **113** (2), 562-8.
Sears, R. L. — Spectral classification of "photometric subgiants" in open clusters — R. L. Sears and James R. Sowell; **113** (3), 1039-44.
Sears, W. D. — see *Mottola, S.*, **114** (3), 1234-45.
Sellgren, K. — see *Ramirez, S. V.*, **113** (4), 1411-20.
 — see *Blum, R. D.*, **113** (5), 1855-9.
 — see *Berlind, Andreas A.*, **114** (1), 107-14.
Sembach, Kenneth R. — see *Savage, Blair D.*, **113** (6), 2158-85.
Serlemitsos, P. — see *Ptak, A.*, **113** (4), 1286-95.
Serrano, A. — see *Carrasco, L.*, **113** (5), 1527-36.
Shah, Ronak Y. — see *O'Connell, Robert W.*, **114** (5), 1982-91.
Shapiro, Irwin I. — see *Falco, Emilio E.*, **113** (2), 540-9.
Shara, Michael M. — HST imagery of the non-expanding, clumped "shell" of the recurrent nova T Pyxidis — Michael M. Shara, David R. Zurek, Robert E. Williams, Dina Prialnik, Roberto Gilmozzi, and Anthony F. J. Moffat; **114** (1), 258-64.
Shelton, Ian — see *Clement, Christine M.*, **113** (5), 1711-22.
Shelus, P. J. — see *Hemenway, P. D.*, **114** (6), 2796-810.
Shen, Z.-Q. — A 5-GHz southern hemisphere VLBI survey of compact radio sources. I. — Z.-Q. Shen, T.-S. Wan, J. M. Moran, D. L. Jauncey, J. E. Reynolds, A. K. Tzioumis, R. G. Gough, R. H. Ferris, M. W. Sinclair, D.-R. Jiang, X.-Y. Hong, S.-G. Liang, M. E. Costa, S. J. Tingay, P. M. McCulloch, J. E. J. Lovell, E. A. King, G. D. Nicolson, D. W. Murphy, D. L. Meier, T. D. van Ommen, P. G. Edwards, and G. L. White; **114** (5), 1999-2015.
Shetrone, Matthew — see *Jones, Burton F.*, **114** (1), 352-62.
Shetrone, Matthew D. — see *Kraft, Robert P.*, **113** (1), 279-95.
 — see *Snedden, Christopher*, **114** (5), 1964-81.
Shields, Joseph C. — see *Barth, Aaron J.*, **114** (6), 2313-22.
Shull, J. Michael — see *Fesen, Robert A.*, **113** (1), 354-63.
 — see *Giroux, Mark L.*, **113** (5), 1505-13.
Sicotte, Vincent — NGC 5204: A strongly warped Magellanic spiral. II. H I kinematics and mass distribution — Vincent Sicotte and Claude Carignan; **113** (2), 609-17.
Silber, Andrew — see *Szkody, Paula*, **113** (6), 2276-82.
Simon, M. — see *Chen, W. P.*, **113** (2), 752-4.
Simon, R. S. — see *Hutter, D. J.*, **114** (6), 2822-33.
Simons, D. A. — see *Davidge, T. J.*, **114** (6), 2586-95.
Simpson, Caroline E. — see *Malphrus, Benjamin K.*, **114** (4), 1427-46.
Sinclair, M. W. — see *Shen, Z.-Q.*, **114** (5), 1999-2015.
Singh, Kulinder Pal — see *Schlegel, Eric M.*, **113** (4), 1296-309.
Sion, E. M. — see *Cheng, F. H.*, **114** (3), 1165-9.
Sion, Edward M. — Ongoing mass ejection in the peculiar, hot DO degenerate KPD 0005+5106 — Edward M. Sion, Jay B. Holberg, Martin A. Barstow, and Maureen P. Scheible; **113** (1), 364-72.
Sirk, Martin — see *Howell, Steve B.*, **113** (6), 2231-41.
Skiff, Brian A. — see *Harris, William E.*, **113** (2), 688-91.
Skillman, Evan D. — see *Dohm-Palmer, Robbie C.*, **114** (6), 2514-26.
 — see *Dohm-Palmer, Robbie C.*, **114** (6), 2527-44.
Slawson, Robert W. — see *Horch, Elliott P.*, **114** (5), 2117-27.
Small, Todd A. — Temporal changes in quasar broad emission line profiles and the gravitationally lensed nature of Q1634+267A.B and Q2345+007A.B — Todd A. Small, Wallace L. W. Sargent, and Charles C. Steidel; **114** (6), 2254-68.
Smirnov, O. — see *Alcaino, G.*, **114** (1), 189-97.
 — see *Alcaino, G.*, **114** (3), 1067-73.
Smith, A. M. — see *Brandt, J. C.*, **114** (2), 554-64.
Smith, Andrew M. — see *Cornett, Robert H.*, **113** (3), 1011-21.
 — see *Fanelli, Michael N.*, **114** (2), 575-84.
 — see *O'Connell, Robert W.*, **114** (5), 1982-91.
Smith, Beverly J. — Interstellar gas in low mass Virgo Cluster spiral galaxies — Beverly J. Smith and Suzanne C. Madden; **114** (1), 138-46.
 — Erratum: "Optical imaging and high spatial resolution 21 cm H I observations of the peculiar galaxy NGC 2782 (Arp 215)" [Astron J., **107**, 1695 (1994)] — Beverly J. Smith; **114** (5), 2177 (E).
Smith, Edgar O. — Fornax globular cluster 3: New color-magnitude diagrams for cluster and surrounding field — Edgar O. Smith, R. Michael Rich, and James D. Neill; **114** (4), 1471-8.
Smith, Graeme H. — see *Kraft, Robert P.*, **113** (1), 279-95.
 — see *Snedden, Christopher*, **114** (5), 1964-81.
Smith, Howard A. — Mid-infrared hydrogen recombination line emission from the maser star MWC 349A — Howard A. Smith, V. Strelitski, J. W. Miles, D. M. Kelly, and J. H. Lacy; **114** (6), 2658-63.
Smith, Nathan — see *Humphreys, Roberta M.*, **114** (6), 2778-88.
Smith, R. C. — see *Riess, A. G.*, **114** (2), 722-9.
Smith, R. Chris — see *Forbes, Duncan A.*, **113** (5), 1648-51.
 — The discovery of Balmer-filaments encircling SNR RCW 86 — R. Chris Smith; **114** (6), 2664-70.
Smith, Verne V. — see *Briley, Michael M.*, **113** (1), 306-10.
Smith Neubig, Margaret M. — UV spectral classification of O and B stars in the Small Magellanic Cloud — Margaret M. Smith Neubig and Frederick C. Bruhweiler; **114** (5), 1951-63.
Snedden, C. — see *Pilachowski, C.*, **114** (2), 819-24.
Snedden, Chris — see *Carney, Bruce W.*, **114** (1), 363-75.
Snedden, Christopher — see *Kraft, Robert P.*, **113** (1), 279-95.
 — Star-to-star abundance variations among bright giants in the metal-poor globular cluster M15 — Christopher Snedden, Robert P. Kraft, Matthew D. Shetrone, Graeme H. Smith, G. E. Langer, and Charles F. Prosser; **114** (5), 1964-81.
Snow, M. — see *Brandt, J. C.*, **114** (2), 554-64.
Soderblom, David R. — see *Jones, Burton F.*, **114** (1), 352-62.
Sofue, Yoshiaki — Nuclear rotation curves of galaxies in the CO-line emission — Yoshiaki Sofue, Yoshinori Tutui, Mareki Honma, and Akihiko Tomita; **114** (6), 2428-36.
Sogawa, Hisato — Infrared polarimetry of star-forming regions: The Serpens cloud core — Hisato Sogawa, Motohide Tamura, Ian Gatley, and K. M. Merrill; **113** (3), 1057-65.
Soifer, B. T. — see *Hogg, David W.*, **113** (2), 474-82.
 — see *Hogg, David W.*, **113** (6), 2338.
Songaila, Antoinette — see *Kim, Tae-Sun*, **114** (1), 1-13.
Sosin, Craig — Deep HST/FOC imaging of the central density cusp of the globular cluster M15 — Craig Sosin and Ivan R. King; **113** (4), 1328-44.
 — Mass segregation and equipartition of energy in two globular clusters with central density cusps — Craig Sosin; **114** (4), 1517-30.
Soukup, Michael S. — see *Moody, J. Ward*, **113** (3), 1022-5.
Sowell, James R. — see *Sears, R. L.*, **113** (3), 1039-44.
Spassova, N. — see *Borissova, J.*, **113** (2), 692-705.
Spergel, David N. — see *Dalcanton, Julianne J.*, **114** (2), 635-54.
 — see *Dalcanton, Julianne J.*, **114** (5), 2178.
Spillar, Earl J. — see *Titus, Timothy N.*, **114** (3), 958-64.
Spinrad, Hyron — see *Stanford, S. A.*, **114** (6), 2232-9.
Spyromilio, J. — see *Riess, A. G.*, **114** (2), 722-9.
Stadel, Joachim — see *Saha, Prasenjit*, **114** (1), 409-15.
Stanford, S. A. — An IR-selected galaxy cluster at $z=1.27$ — S. A. Stanford, Richard Elston, Peter R. Eisenhardt, Hyron Spinrad, Daniel Stern, and Arjun Dey; **114** (6), 2232-9.
Stapelheldt, K. — see *Han, M.*, **113** (3), 1001-10.
Stapelheldt, Karl R. — see *Holtzman, Jon A.*, **113** (2), 656-68.
 — see *Cole, Andrew A.*, **114** (5), 1945-50.
Stassun, Keivan — see *Mathieu, Robert D.*, **113** (5), 1841-54.
Stauffer, John R. — see *Briceno, César*, **113** (2), 740-51.
Staveley-Smith, Lister — see *Walsh, Wilfred*, **113** (5), 1591-606.
Stecher, Theodore P. — see *Cornett, Robert H.*, **113** (3), 1011-21.
 — see *Fanelli, Michael N.*, **114** (2), 575-84.
 — see *O'Connell, Robert W.*, **114** (5), 1982-91.
Steehls, Danny — see *Harlaftis, Emiliós T.*, **114** (3), 1170-5.
Stefanik, Robert P. — see *Marschall, Laurence A.*, **114** (2), 793-9.

- see *Torres, Guillermo*, **114** (6), 2764-77.
- Steidel, Charles C.** — see *Small, Todd A.*, **114** (6), 2254-68.
- Stepanian, J. A.** — see *Carrasco, L.*, **113** (5), 1527-36.
- Stephens, Alex** — see *King, Jeremy R.*, **113** (5), 1871-83.
- Stephens, Andrew W.** — A study of quasar clustering at $z > 2.7$ from the Palomar Transit Grism Survey — Andrew W. Stephens, Donald P. Schneider, Maarten Schmidt, James E. Gunn, and David H. Weinberg; **114** (1), 41-7.
- Stern, Daniel** — see *Stanford, S. A.*, **114** (6), 2232-9.
- Stern, Robert A.** — see *Briceño, César*, **113** (2), 740-51.
- Stern, S. A.** — *HST* high-resolution images and maps of Pluto — S. A. Stern, M. W. Buie, and L. M. Trafton; **113** (2), 827-43.
- Stern, S. Alan** — see *Parker, Joel Wm.*, **113** (5), 1899-908.
- Accretion in the Edgeworth-Kuiper Belt: Forming 100–1000 km radius bodies at 30 AU and beyond — S. Alan Stern and Joshua E. Colwell; **114** (2), 841-9.
- see *Womack, Maria*, **114** (6), 2789-95.
- Sterzik, Michael F.** — Binary search among x-ray active stars south of the Taurus molecular cloud — Michael F. Sterzik, Richard H. Durisen, Wolfgang Brandner, John Jurcevic, and R. Kent Honeycutt; **114** (4), 1555-66.
- Young cool stars in the solar neighborhood — Michael F. Sterzik and Jürgen H. M. M. Schmitt; **114** (4), 1673-8.
- Stetson, P. B.** — see *Han, M.*, **113** (3), 1001-10.
- Stetson, Peter B.** — see *Gebhardt, Karl*, **113** (3), 1026-38.
- see *Harris, William E.*, **114** (3), 1030-42.
- Stiavelli, M.** — see *Carollo, C. M.*, **114** (6), 2366-80.
- Stidham, Brett J.** — see *Hakkila, Jon*, **114** (5), 2043-53.
- Stinebring, Daniel R.** — see *Morrison, Heather L.*, **113** (6), 2061-74.
- Stocke, John T.** — see *Harvanek, Michael*, **114** (6), 2240-53.
- Stockton, Alan** — see *Ridgway, Susan E.*, **114** (2), 511-43.
- Stone, A.** — see *Tegler, S. C.*, **114** (3), 1230-3.
- Stone, Ronald C.** — CCD astrometry of asteroids in the extragalactic reference frame — Ronald C. Stone; **113** (6), 2317-24.
- Systematic errors in the FK5 catalog as determined from CCD observations in the extragalactic reference frame — Ronald C. Stone; **114** (2), 850-8.
- Accurate positions for radio stars as determined from CCD observations in the extragalactic reference frame — Ronald C. Stone; **114** (4), 1679-88.
- Astrometric calibration regions along the celestial equator — Ronald C. Stone; **114** (6), 2811-21.
- Storchi-Bergmann, Thaisa** — see *Calzetti, Daniela*, **114** (5), 1834-49.
- Storchi Bergmann, Thaisa** — see *Schmitt, Henrique R.*, **114** (2), 592-612.
- Strand, Kaj Aa.** — Photovisual magnitude differences for 169 double stars — Kaj Aa. Strand and Varkey V. Kallarakal; **113** (5), 1884-7.
- Strelitski, V.** — see *Smith, Howard A.*, **114** (6), 2658-63.
- Strom, Stephen E.** — see *Carpenter, John M.*, **114** (1), 198-221.
- see *Carpenter, John M.*, **114** (3), 1275.
- Struck, Curtis** — see *Kaufman, Michele*, **114** (6), 2323-49.
- Stubbs, C. W.** — see *Alcock, C.*, **114** (1), 326-40.
- Su, H. J.** — see *Yuan, Q. R.*, **114** (4), 1308-12.
- Sugars, Benjamin J. A.** — see *Remage Evans, Nancy*, **113** (2), 792-9.
- Summers, David L.** — Discovery of eclipses in the short-period RS CVn system IE1919+0427 — David L. Summers and Paul A. Heckert; **113** (6), 2242-5.
- Sung, Hwankyung** — *UBVRI* $H\alpha$ photometry of the young open cluster NGC 2264 — Hwankyung Sung, Michael S. Bessell, and See-Woo Lee; **114** (6), 2644-57.
- Suntzeff, N.** — see *Riess, A. G.*, **114** (2), 722-9.
- Suntzeff, Nicholas B.** — see *Ibata, Rodrigo A.*, **113** (2), 634-55.
- Sutherland, W.** — see *Alcock, C.*, **114** (1), 326-40.
- Sweigart, A. V.** — see *Borisova, J.*, **113** (2), 692-705.
- Szkody, Paula** — *IUE* and *Voyager* observations of the unusual cataclysmic variable S193 — Paula Szkody, Peter Garnavich, Jay Holberg, Andrew Silber, and Lora Pastwick; **113** (6), 2276-82.
- T**
- Takeuchi, Tsutomu T.** — see *Tomita, Akihiko*, **114** (5), 1758-70.
- Tamura, Motohide** — see *Sogawa, Hisato*, **113** (3), 1057-65.
- Tapia, Mauricio** — *IRAS* sources associated with small nebulae in star forming regions: Optical and near infrared images — Mauricio Tapia, Paolo Persi, Joaquín Bohigas, and Marco Ferrari-Toniolo; **113** (5), 1769-87.
- Taylor, A. R.** — see *Wallace, B. J.*, **114** (5), 2068-80.
- Taylor, Benjamin J.** — see *Hintz, Eric G.*, **114** (4), 1297-307.
- Taylor, D.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Tegler, S. C.** — see *Romanishin, W.*, **113** (5), 1893-8.
- Photometry of the Trans-Neptunian Object 1993 SC — S. C. Tegler, W. Romanishin, A. Stone, K. Tryka, U. Fink, and R. Fevig; **114** (3), 1230-3.
- Templeton, Matthew R.** — A new pulsation spectrum and asteroseismology of δ Scuti — Matthew R. Templeton, Bernard J. McNamara, Joyce A. Guzik, Paul A. Bradley, Arthur N. Cox, and John Middleditch; **114** (4), 1592-601.
- ten Brummelaar, Theo** — see *Hartkopf, William L.*, **114** (4), 1639-56.
- see *Mason, Brian D.*, **114** (5), 2112-6.
- Teräsanta, H.** — see *Zook, A. C.*, **114** (3), 1121-6.
- Terebey, Susan** — see *Pineault, Serge*, **113** (1), 433-8.
- Terndrup, D. M.** — see *Tiede, Glenn P.*, **113** (1), 321-34.
- Terzian, Yervant** — see *Nordgren, Tyler E.*, **114** (1), 77-93.
- see *Nordgren, Tyler E.*, **114** (3), 913-31.
- Thaller, Michelle L.** — see *Mason, Brian D.*, **114** (5), 2112-6.
- Thévenin, F.** — see *Idart, T. P.*, **113** (3), 1066-72.
- Tholen, D. J.** — see *Mottola, S.*, **114** (3), 1234-45.
- Thomas, Tom** — see *Duerbeck, Hilmar W.*, **114** (4), 1657-65.
- Thomasson, Magnus** — see *Kaufman, Michele*, **114** (6), 2323-49.
- Thompson, Ian** — see *Zaritsky, Dennis*, **114** (3), 1002-13.
- see *Harris, Jason*, **114** (5), 1933-44.
- Thompson, Ian B.** — see *Kaluzy, Janusz*, **113** (6), 2219-25.
- see *Mandushev, Georgi I.*, **114** (3), 1060-6.
- Thompson, Laird A.** — see *Barton, Ian J.*, **114** (2), 655-68.
- Thompson, R. R.** — see *van Belle, G. T.*, **114** (5), 2150-6.
- Thomsen, Bjarne** — see *Baum, William A.*, **113** (5), 1483-94.
- Thomson, David J.** — see *Schild, Rudy*, **113** (1), 130-5.
- Thorstensen, John R.** — see *Geller, Margaret J.*, **114** (6), 2205-11.
- Tiede, Glenn P.** — A new survey of stellar kinematics in the central Milky Way — Glenn P. Tiede and D. M. Terndrup; **113** (1), 321-34.
- The giant branches of open and globular clusters in the infrared as metallicity indicators: A comparison with theory — Glenn P. Tiede, Paul Martini, and Jay A. Frogel; **114** (2), 694-8.
- Tingay, S. J.** — The nearest GHz peaked-spectrum radio galaxy, PKS 1718–649 — S. J. Tingay, D. L. Jauncey, J. E. Reynolds, A. K. Tzioumis, E. A. King, R. A. Preston, J. E. J. Lovell, P. M. McCulloch, M. E. Costa, G. Nicolson, A. Koekemoer, M. Tornikoski, L. Kedziora-Chudczer, and D. Campbell-Wilson; **113** (6), 2025-30.
- see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- Titus, Timothy N.** — Population analysis of faint galaxies with mixture modeling — Timothy N. Titus, Earl J. Spillar, and Paul Johnson; **114** (3), 958-64.
- Tokovinin, Andrei A.** — see *Fekel, Francis C.*, **113** (3), 1095-105.
- Tolstoy, E.** — see *Dohm-Palmer, Robbie C.*, **114** (6), 2514-26.
- see *Dohm-Palmer, Robbie C.*, **114** (6), 2527-44.
- Tomita, Akihiko** — Characteristics of Kiso Ultraviolet excess galaxies — Akihiko Tomita, Tsutomu T. Takeuchi, Tadashi Usui, and Mamoru Saitō; **114** (5), 1758-70.
- see *Sofue, Yoshiaki*, **114** (6), 2428-36.
- Tonry, John L.** — see *Blakeslee, John P.*, **114** (2), 482-506.
- see *Ajhar, Edward A.*, **114** (2), 626-34.
- Tornikoski, M.** — see *Tingay, S. J.*, **113** (6), 2025-30.
- Torrelles, José M.** — see *Moreira, Miguel C.*, **113** (4), 1371-4.
- Torres, G.** — see *Lacy, C. H. S.*, **113** (3), 1088-90.
- Torres, Guillermo** — see *Marschall, Laurence A.*, **114** (2), 793-9.
- see *Sandberg Lacy, Claud H.*, **114** (3), 1206-20.
- Absolute dimensions of eclipsing binaries. XXII. The unevolved F-type system HS Hydrae — Guillermo Torres, Robert P. Stefanik, Johannes Andersen, Birgitta Nordström, David W. Latham, and Jens V. Clausen; **114** (6), 2764-77.
- Tovmassian, G. H.** — see *Tovmassian, H. M.*, **113** (5), 1888-92.
- Tovmassian, H. M.** — see *Carrasco, L.*, **113** (5), 1527-36.
- Detection of circumstellar dust shells of some distant B type stars — H. M. Tovmassian, S. G. Navarro, G. H. Tovmassian, and L. J. Corral; **113** (5), 1888-92.
- Toyama, Kiyotaka** — see *Kaneko, Noboru*, **114** (1), 94-101.
- Trafton, L. M.** — see *Stern, S. A.*, **113** (2), 827-43.
- see *Brandt, J. C.*, **114** (2), 554-64.
- Trauger, J.** — see *Han, M.*, **113** (3), 1001-10.
- Trauger, John T.** — see *Holtzman, Jon A.*, **113** (2), 656-68.
- see *Cole, Andrew A.*, **114** (5), 1945-50.
- Tremaine, Scott** — see *Saha, Prasenjit*, **114** (1), 409-15.
- see *Faber, S. M.*, **114** (5), 1771-96.
- Tripp, T. M.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Tryka, K.** — see *Tegler, S. C.*, **114** (3), 1230-3.
- Tsuru, T.** — see *Plak, A.*, **113** (4), 1286-95.

- Turner, David G.** — Galactic clusters with associated Cepheid variables. V. The case of SU Cygni — David G. Turner, Georgi I. Mandushev, and Gary A. Welch; **113** (6), 2104-15.
— see *Guetter, Harry H.*, **113** (6), 2116-29.
- Turner, Nils H.** — see *Hartkopf, William L.*, **114** (4), 1639-56.
- Turon, C.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- Tutui, Yoshinori** — see *Sofue, Yoshiaki*, **114** (6), 2428-36.
- Twarog, Bruce A.** — Some revised observational constraints on the formation and evolution of the galactic disk — Bruce A. Twarog, Keith M. Ashman, and Barbara J. Anthony-Twarog; **114** (6), 2556-85.
- Tweedy, Richard W.** — see *Fesen, Robert A.*, **113** (2), 767-79.
— see *Ferguson, Donald H.*, **114** (3), 1227-9.
- Tyson, J. Anthony** — see *Fischer, Philippe*, **113** (2), 521-30.
— see *Fischer, Philippe*, **114** (1), 14-24.
- Tytler, David** — see *Burles, Scott*, **114** (4), 1330-6.
- Tzioumis, A. K.** — see *Tingay, S. J.*, **113** (6), 2025-30.
— see *Shen, Z.-Q.*, **114** (5), 1999-2015.

U

- Udry, S.** — see *Mayor, M.*, **114** (3), 1087-97.
- Ueno, Munetaka** — see *Wada, Takehiko*, **113** (1), 231-5.
- Ulmer, M. P.** — see *Holden, B. P.*, **114** (5), 1701-10.
- Unwin, S. C.** — see *Zook, A. C.*, **114** (3), 1121-6.
- Usui, Tadashi** — see *Tomita, Akihiko*, **114** (5), 1758-70.

V

- Vacca, W. D.** — see *Hibbard, J. E.*, **114** (5), 1741-52.
- Vacca, William D.** — see *Hunter, Deidre A.*, **113** (5), 1691-9.
- Vaceli, M. S.** — Spectroscopy of Seyfert 2 Galaxies, LINERS, and H II galaxies — M. S. Vaceli, S. M. Viegas, R. Gruenwald, and R. E. de Souza; **114** (4), 1345-55.
- Valenti, Jeff A.** — see *Mathieu, Robert D.*, **113** (5), 1841-54.
- Valtaoja, E.** — see *Zook, A. C.*, **114** (3), 1121-6.
- Valtonen, M. J.** — see *Innanen, K. A.*, **113** (5), 1915-9.
- van Altena, W.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- van Altena, William F.** — see *Dinescu, Dana I.*, **114** (3), 1014-29.
- van Belle, G. T.** — Angular size measurements of carbon Miras and S-type stars — G. T. van Belle, H. M. Dyck, R. R. Thompson, J. A. Benson, and S. J. Kannappan; **114** (5), 2150-6.
- Van Buren, Dave** — see *Noriega-Crespo, Alberto*, **113** (2), 780-6.
— see *Noriega-Crespo, Alberto*, **114** (2), 837-40.
- VandenBerg, Don A.** — see *Harris, William E.*, **114** (3), 1030-42.
— see *Bergbusch, Peter A.*, **114** (6), 2604-10.
- van den Bergh, Sidney** — Distribution of supernovae in spiral galaxies — Sidney van den Bergh; **113** (1), 197-200.
— Some musings on galaxy classification — Sidney van den Bergh; **113** (6), 2054-60.
— see *Harris, William E.*, **114** (3), 1030-42.
- van Genderen, Arnout M.** — see *Duerbeck, Hilmar W.*, **114** (4), 1657-65.
- van Gorkom, J. H.** — see *Pickering, T. E.*, **114** (5), 1858-82.
- van Ommen, T. D.** — see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- van Zee, Liese** — A comparative study of star formation thresholds in gas-rich low surface brightness dwarf galaxies — Liese van Zee, Martha P. Haynes, John J. Salzer, and Adrick H. Broeils; **113** (5), 1618-37.
— Obtaining high precision H I fluxes for galaxies — Liese van Zee, Ronald J. Maddalena, Martha P. Haynes, David E. Hogg, and Morton S. Roberts; **113** (5), 1638-47.
— Optical colors and metallicities of gas-rich quiescent dwarf galaxies — Liese van Zee, Martha P. Haynes, and John J. Salzer; **114** (6), 2479-96.
— Element enrichment and stellar populations of gas-rich low surface brightness dwarf galaxies — Liese van Zee, Martha P. Haynes, and John J. Salzer; **114** (6), 2497-504.
- Varela, Antonie-Maria** — see *Prieto, Mercedes*, **114** (4), 1413-26.
- Vázquez, Roberto** — see *Moreira, Miguel C.*, **114** (4), 1371-4.
- Veiga, C. H.** — see *Assafin, M.*, **113** (6), 2329-37.
- Velichko, F. P.** — see *Mottola, S.*, **114** (3), 1234-45.
- Vennes, Stéphane** — Faint sources in the EUVE survey. II. Identification of two white dwarfs and four late-type active stars — Stéphane Vennes, Eric Korpela, and Stuart Bowyer; **114** (4), 1567-72.
- Viegas, S. M.** — see *Vaceli, M. S.*, **114** (4), 1345-55.
- Vieira Martins, R.** — see *Assafin, M.*, **113** (4), 1451-6.
— see *Assafin, M.*, **113** (6), 2329-37.

- Vijapurkar, Jyotsna** — IRAS 17395-0841: A new young low excitation planetary nebula — Jyotsna Vijapurkar, John S. Drilling, and M. Parthasarathy; **114** (4), 1573-5.
- Vinkó, J.** — see *Balog, Z.*, **113** (5), 1833-40.
- Vivekananda Rao, P.** — see *Sarma, M. B. K.*, **114** (2), 800-4.
- Voges, W.** — see *Henry, J. P.*, **114** (4), 1293-6.
- Vogt, Nicole P.** — see *Giovanelli, Riccardo*, **113** (1), 22-52.
— see *Giovanelli, Riccardo*, **113** (1), 53-79.
— see *Haynes, Martha P.*, **113** (4), 1197-211.
- von Braun, Kaspar** — see *Raychaudhury, Somak*, **113** (6), 2046-53.
- von Hippel, Ted** — Stellar populations and the white dwarf mass function: Connections to supernova Ia luminosities — Ted von Hippel, G. D. Bothun, and R. A. Schommer; **114** (3), 1154-64.
- Vrba, F. J.** — see *Hutter, D. J.*, **114** (6), 2822-33.
- Vrba, Frederick J.** — see *Walter, Frederick M.*, **114** (4), 1544-54.
- Vrtilek, S. D.** — see *Cheng, F. H.*, **114** (3), 1165-9.

W

- Wada, Takehiko** — Infrared photometry of supernova 1993J in M81 — Takehiko Wada and Munetaka Ueno; **113** (1), 231-5.
- Wade, Richard A.** — see *Orosz, Jerome A.*, **114** (1), 317-25.
- Wallace, B. J.** — The interstellar environment of filled-center supernova remnants. II. G63.7+1.1 — B. J. Wallace, T. L. Landecker, and A. R. Taylor; **114** (5), 2068-80.
- Wallace, Debra** — see *Fesen, Robert A.*, **113** (2), 767-79.
- Waller, William H.** — see *Cornett, Robert H.*, **113** (3), 1011-21.
- Wallerstein, George** — see *Brown, Jeffrey A.*, **114** (1), 180-8.
- Walsh, Wilfred** — The giant, gas-rich, low-surface-brightness galaxy NGC 289 — Wilfred Walsh, Lister Staveley-Smith, and Tom Oosterloo; **113** (5), 1591-606.
- Walter, F. M.** — see *Brandt, J. C.*, **114** (2), 554-64.
- Walter, Fabian** — A dynamical analysis of the H II galaxy II Zwicky 33 and its low surface brightness companion — Fabian Walter, Elias Brinks, Neb Duric, and Ulrich Klein; **113** (6), 2031-45.
- Walter, Frederick M.** — X-ray sources in regions of star formation. VI. The R CrA association as viewed by *EINSTEIN* — Frederick M. Walter, Frederick J. Vrba, Scott J. Wolk, Robert D. Mathieu, and Ralph Neuhäuser; **114** (4), 1544-54.
- Wan, T.-S.** — see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- Watson, A.** — see *Han, M.*, **113** (3), 1001-10.
- Watson, Alan M.** — see *Holtzman, Jon A.*, **113** (2), 656-68.
- Weaver, G.** — see *Hutter, D. J.*, **114** (6), 2822-33.
- Weaver, W. B.** — see *Hutter, D. J.*, **114** (6), 2822-33.
- Webb, John K.** — see *Lanzetta, Kenneth M.*, **114** (4), 1337-44.
- Webb, Richard A.** — see *Zuckerman, B.*, **114** (2), 805-7.
- Webb, Tracy M.** — see *Harris, William E.*, **114** (3), 1043-50.
- Wegner, Gary** — see *Giovanelli, Riccardo*, **113** (1), 22-52.
— see *Giovanelli, Riccardo*, **113** (1), 53-79.
— see *Haynes, Martha P.*, **113** (4), 1197-211.
— see *Mohr, Joseph J.*, **114** (1), 25-35.
— see *Geller, Margaret J.*, **114** (6), 2205-11.
- Wehrle, A. E.** — see *Zook, A. C.*, **114** (3), 1121-6.
- Wehrle, Ann E.** — The nature of the optical "jets" in the spiral galaxy NGC 1097 — Ann E. Wehrle, William C. Keel, and Dayton L. Jones; **114** (1), 115-21.
- Weigelt, Gerd** — see *Davidson, Kris*, **113** (1), 335-45.
- Weinberg, David H.** — see *Stephens, Andrew W.*, **114** (1), 41-7.
- Weinberger, A. J.** — see *Hogg, David W.*, **113** (2), 474-82.
— see *Hogg, David W.*, **113** (6), 2338.
- Weintraub, David A.** — see *Parker, Joel Wm.*, **113** (5), 1899-908.
- Weistrop, D.** — see *Sage, L. J.*, **114** (5), 1753-7.
- Weistrop, Donna** — see *Cruzen, Shawn T.*, **113** (6), 1983-94.
- Weitenbeck, A. J.** — see *Fox, G. K.*, **113** (3), 1152-7.
— see *Fox, G. K.*, **113** (3), 1158-65.
— see *Johnson, J. J.*, **113** (6), 2200-8.
- Weitenbeck, Anthony J.** — Cross identification in the region of cluster NGC 1502 — Anthony J. Weitenbeck; **114** (1), 222-7.
- Welch, D. L.** — see *Alcock, C.*, **114** (1), 326-40.
- Welch, Douglas L.** — see *Morgan, Siobahn M.*, **114** (3), 1183-9.
- Welch, Gary A.** — see *Turner, David G.*, **113** (6), 2104-15.
- Westin, Tor** — see *Fu, Hsieh-Hai*, **114** (4), 1623-38.
- Westphal, J.** — see *Han, M.*, **113** (3), 1001-10.
- Westphal, James A.** — see *Holtzman, Jon A.*, **113** (2), 656-68.
— see *Cole, Andrew A.*, **114** (5), 1945-50.
- Weymann, R. J.** — see *Brandt, J. C.*, **114** (2), 554-64.
- White, G.** — see *Hemenway, P. D.*, **114** (6), 2796-810.
- White, G. L.** — see *Shen, Z.-Q.*, **114** (5), 1999-2015.
- White, N. M.** — see *Benson, J. A.*, **114** (3), 1221-6.

- White, Raymond E., III** — see *Eskridge, Paul B.*, **114** (3), 988-95.
White, Stephen M. — see *Harrington, J. Patrick*, **113** (6), 2147-57.
Whiteley, R. J. — see *Mottola, S.*, **114** (3), 1234-45.
Whiting, Alan B. — A new galaxy in the Local Group: The Antlia Dwarf Galaxy — Alan B. Whiting, M. J. Irwin, and George K. T. Hau; **114** (3), 996-1001.
Whitmore, Bradley C. — *Hubble Space Telescope* observations of two dynamically young elliptical galaxies — Bradley C. Whitmore, Bryan W. Miller, François Schweizer, and S. Michael Fall; **114** (5), 1797-823.
 — see *Miller, Bryan W.*, **114** (6), 2381-401.
Whitney, Barbara A. — see *Gomez, Mercedes*, **114** (1), 265-71.
 — see *Gomez, Mercedes*, **114** (3), 1138-53.
Whittet, D. C. B. — see *Clayton, Geoffrey C.*, **114** (3), 1132-7.
Wiegert, Paul A. — The stability of planets in the Alpha Centauri system — Paul A. Wiegert and Matt J. Holman; **113** (4), 1445-50.
Wilking, Bruce A. — Deep infrared imaging of the R Coronae Australis cloud core — Bruce A. Wilking, Mark J. McCaughrean, Michael G. Burton, Timothy Giblin, John T. Rayner, and Hans Zinnecker; **114** (5), 2029-42.
Williams, B. F. — see *Giacani, E. B.*, **113** (4), 1379-90.
Williams, David B. — see *Marshall, Laurence A.*, **114** (2), 793-9.
Williams, R. E. — see *Kingdon, J. B.*, **113** (6), 2193-9.
Williams, Robert E. — see *Shara, Michael M.*, **114** (1), 258-64.
Williams, T. B. — see *Gebhardt, Karl*, **113** (3), 1026-38.
Willmarth, D. — see *Lacy, C. H. S.*, **113** (3), 1088-90.
Willmer, C. N. A. — Estimating galaxy luminosity functions — C. N. A. Willmer; **114** (3), 898-912.
Wilson, Barbara — see *Harris, William E.*, **113** (2), 688-91.
Wilson, John W. — see *Hartkopf, William I.*, **114** (4), 1639-56.
Wilson, T. L. — see *Megeath, S. T.*, **114** (3), 1106-20.
Windhorst, R. A. — see *Schmidtke, P. C.*, **113** (2), 569-84.
 — see *Richards, E. A.*, **113** (5), 1475-82.
Windhorst, Rogier A. — see *Mutz, Steven B.*, **113** (5), 1537-47.
 — see *Odewahn, Stephen C.*, **114** (6), 2219-31.
Winkler, P. F. — see *Giacani, E. B.*, **113** (4), 1379-90.
Winkler, P. Frank — see *Fesen, Robert A.*, **113** (2), 767-79.
Witt, Adolf N. — see *O'Connell, Robert W.*, **114** (5), 1982-91.
Wittman, David — see *Mutz, Steven B.*, **113** (5), 1537-47.
Wolf, M. — see *Mottola, S.*, **114** (3), 1234-45.
Wolfe, A. M. — see *Briggs, F. H.*, **113** (2), 467-73.
Wolfe, Arthur M. — see *Lanzetta, Kenneth M.*, **114** (4), 1337-44.
Wolff, Michael J. — see *Clayton, Geoffrey C.*, **114** (3), 1132-7.
Wolk, Scott J. — see *Walter, Frederick M.*, **114** (4), 1544-54.
Womack, Maria — The heliocentric evolution of key species in the distantly-active Comet C/1995 O1 (Hale-Bopp) — Maria Womack, M. C. Festou, and S. Alan Stern; **114** (6), 2789-95.
Wong, S. K. — see *O'Dell, C. R.*, **114** (2), 730-43.
Wood, Kenneth — Modeling polarization maps of external galaxies — Kenneth Wood and Terry Jay Jones; **114** (4), 1405-12.
Woodworth, Sean C. — see *Harris, William E.*, **114** (3), 1043-50.
Worman, W. — see *Mottola, S.*, **114** (3), 1234-45.
Wright, Jeffrey S. — see *Carney, Bruce W.*, **114** (1), 363-75.
Wrobel, J. M. — see *Butler, Bryan J.*, **113** (4), 1429-32.
Wyse, Rosemary F. G. — see *Ibata, Rodrigo A.*, **113** (2), 634-55.
- ## Y
- Yahata, Noriaki** — see *Lanzetta, Kenneth M.*, **114** (4), 1337-44.
Yamashita, T. — see *Jiang, B. W.*, **113** (4), 1315-27.
Yanny, Brian — see *Cohen, Randi L.*, **113** (2), 669-81.
Yaqoob, T. — see *Ptak, A.*, **113** (4), 1286-95.
Yee, H. K. C. — see *Sawicki, M. J.*, **113** (1), 1-12.
 — see *Frayser, David T.*, **113** (2), 562-8.
Yoshida, Michitoshi — see *Kaneko, Noboru*, **114** (1), 94-101.
Young, Judith S. — see *Rubin, Vera C.*, **113** (4), 1250-78.
Yuan, Q. R. — Orientation of the field galaxies in the local supercluster — Q. R. Yuan, F. X. Hu, H. J. Su, and K. L. Huang; **114** (4), 1308-12.
Yun, João L. — see *Moreira, Miguel C.*, **113** (4), 1371-4.
Yun, João Lin — see *Moitinho, André*, **113** (4), 1359-70.
- ## Z
- Zacharias, N.** — Astrometric quality of the USNO CCD Astrograph (UCA) — N. Zacharias; **113** (5), 1925-32.
Zakirov, Mamnun M. — see *Sandberg Lacy, Claud H.*, **114** (3), 1206-20.
Zaritsky, Dennis — A digital photometric survey of the Magellanic Clouds: First results from one million stars — Dennis Zaritsky, Jason Harris, and Ian Thompson; **114** (3), 1002-13.
 — see *Harris, Jason*, **114** (5), 1933-44.
 — Evidence for an intervening stellar population toward the Large Magellanic Cloud — Dennis Zaritsky and D. N. C. Lin; **114** (6), 2545-55.
Zellner, N. E. B. — see *Fox, G. K.*, **113** (3), 1152-7.
 — see *Fox, G. K.*, **113** (3), 1158-65.
 — see *Johnson, J. J.*, **113** (6), 2200-8.
Zheng, J. Q. — see *Innanen, K. A.*, **113** (5), 1915-9.
Zijlstra, Albert A. — see *Minniti, Dante*, **114** (1), 147-60.
Zinnecker, Hans — see *Wilking, Bruce A.*, **114** (5), 2029-42.
Zook, A. C. — Radio counterparts of unidentified EGRET gamma-ray sources — A. C. Zook, W. J. Giammona, S. C. Unwin, A. E. Wehrle, H. Teräsanta, E. Valtaoja, M. R. Kidger, and J. N. Gonzalez-Perez; **114** (3), 1121-6.
Zucker, Daniel — see *Brown, Jeffrey A.*, **114** (1), 180-8.
Zuckerman, B. — A companion to the white dwarf G261-43 — B. Zuckerman, E. E. Becklin, B. A. Macintosh, and T. Bida; **113** (2), 764-6.
 — BY Draconis is a triple star system — B. Zuckerman, Richard A. Webb, E. E. Becklin, Ian S. McLean, and Matthew A. Malkan; **114** (2), 805-7.
Zurek, David R. — see *Shara, Michael M.*, **114** (1), 258-64.